

MESSAGE FROM THE VICE-CHANCELLOR



A University stands for humanity which signifies huge responsibility upon the people controlling its state of affairs. It needs combining individual commitment towards excellence with strong social sense without which an institution will turn out to be a burden. With this sense in heart, Gauhati University is always thriving for excellence and devotes itself to attain greater heights in the world of competition. It needs change of things in a way where we find the paths for fulfilment of our set objectives. The Gauhati University was born immediately after Independence with great necessity of it in the north eastern region of the country and with the passage of time it has grown from strength to strength in the field of teaching and research offering wide range of courses in various disciplines. Its level of development is reflected in the recent ranking for University level institutions in the country conducted by the Ministry of Human Resources and Development, Government of India. Awarded 4th rank among the state Universities and 22nd rank among all such institutions of the country, we have really something to cherish. This also reminds us of our enhanced responsibility as well as societal commitment. Recent international collaborations for academic uplift and widening the horizons of research have paved the way for taking us to greater heights.

Gauhati University with its sprawling and serene campus provides us with an inspiring, peaceful and congenial environment. The Campus life is extremely friendly, informal and is entirely self-contained. The Krishna Kanta Handiqui Central Library of the University is now recognized as a manuscript resource and a conservation centre by the Government of India which can be of great benefit to the students as well as the teaching community. I sincerely believe, the takers of education in this glorious institute will surely have fruitful time of their lives and will acquire the ability to face the world ahead.

A handwritten signature in black ink, appearing to read 'M. Hazarika', written in a cursive style.

Dr. Mridul Hazarika
Vice-Chancellor,
Gauhati University

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Message from the Vice-Chancellor

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Important Dates for Applicants

1. Issue of Prospectus & opening of online application form: From **12-07-2016 to 22-07-2016**
(Submission of hardcopy of Application forms will be entertained on working days only).

2. Last date of submission of Application Form: **22-07-2016**

3. Dates of Entrance Test for All Interdisciplinary Subjects and Other University Students:

| Date | Subject | |
|-------------------|---|---|
| | 1 st Half (11 a.m to 1 p.m.) | 2 nd Half (2 p.m to 4 p.m.) |
| 25-07-2016 | Psychology, Linguistics and ELT, Environmental Science, Electronics & Communication Technology and Microbiology | Library & Information Science and Computer Science / Information Technology |
| 26-07-2016 | Sociology, Biotechnology, Instrumentation and Applied Physics | Mass Communication, Microelectronics and Advance Communication Technology |
| 27-07-2016 | Assamese, Economics, Education, English, Hindi, History, Philosophy and Sanskrit. | Anthropology, Botany, Chemistry, Geography, Geology, Mathematics and Comparative Indian Literature |
| 28-07-2016 | Commerce, Arabic, Bengali, Bodo, Persian, Political Science, Zoology and Material Science & Technology | Physics, Statistics, Animal Ecology and Wildlife Biology, Women's Studies, M.Tech. in the following Programmes-Information Technology, Biotechnology, Signal Processing & Communication and Signal Processing & VLSI Design |

4. The candidates applying for admission under Differently Abled (Disabled) quota, will have to appear before the Medical Board on **03-08-2016 at 11.00 a.m.** in the office of the Secretary, University Classes, G.U.

5. Date of publication the selection list (in the respective Department and in G.U. website): **05-08-2016 (after 5:00 p.m.)**

6. **Dates of Admission:** First List including waiting list: **08-08-2016 & 09-08-2016 at 11.00 a.m.** in the concerned Departments.

7. **Commencement of Classes: 11-08-2016**

Please note:

- Applicants are requested to visit the G.U. website: www.gauhati.ac.in for any change of schedule of the admission process closer to the time of admission.
- The decision of the Admission Committee will be final in all matters related to all admissions.

ADMINISTRATIVE PROFILE

Chancellor

Shri Padmanabha Balakrishna Acharya
Hon'ble Governor of Assam, Raj Bhavan
0361-2606055

Vice-Chancellor

Dr. Mridul Hazarika
0361-2570412

Rector

Prof. Hari Prasad Sarma
98640-45328

Registrar

Dr. Suresh Kr. Nath
0361-2570415

Treasurer, i/c

Dr. P. K. Jain
0361-2570411

Secretary, University Classes

Dr. Hemanta Kr. Nath
0361-2570538

Academic Registrar, i/c

Prof. M. P. Bora
0361-2700517

Controller of Examinations

Dr. D. J. Choudhury
0361-2570410

Joint Registrar

Dr. Ramani Barman
0361-2700311

Deputy Controllers of Exam

1. Dr. Debohari Talukdar
94352-76125
2. Mr. Pranab Das

Deputy Treasurer

Sri Abhay Bhattacharya
80115-85632

Deputy Registrar & PIO

Dr. Prasanta Barman
8011995015

Deputy Secretary, University Classes i/c

Dr. Badan Barman
0361-2572752

Coordinator, Internal Quality Assurance Cell (IQAC)

Prof. Jyotiprakash Tamuli
94350-42679

Librarian, K.K. Handiqui Library

Sri Wooma Sankar Dev Nath
0361-2570529

Superintending Engineer, i/c

Sri Sanjib Baruah
97060-49304

Director, Students' Welfare

Dr. Ranjan Kr. Kakoti
94357-10670

Chief Medical Officer

Dr. N. N. Talukdar
0361-2571137

Director i/c, GUP

Dr. Bibhas Choudhury
98640-17813

Secy. to Vice-Chancellor & Public Relations Officer

M. J. Deka
0361-2570412

Director, UGC Human Resource Centre

Prof. B. C. Goswami
94350-47933

Director, i/c, GU Institute of Distance and Open Learning (IDOL)

Prof. P. J. Das
0361-2673728

Director, College Development Council

Dr. B. Sarmah
94350-52120

Director, i/c Pre Examination Training Centre (PETC)

Prof. Narendra Lahkar
98640-53349

Deputy Director, PETC

Dr. Sanjay Kumar Dutta
80114-08336

Officer, Placement Cell

Dr. Kandarpa Kumar Sarma
0361-2671262

In-Charge, Career Counselling & Guidance Centre

Prof. Jyotiprakash Tamuli
94350-42679

Co-ordinator, GU Guest House

Dr. D. Bezbaruah
94350-34172

Dean, Faculty of Arts

Prof. Amalendu Chakrabarty
94353-46359

Dean, Faculty of Science

Prof. Jatin Kalita
9706021864

Dean, Faculty of Commerce

Prof. Bhaskarjyoti Bora
9435082803

Dean, Faculty of Law

Prof. R.C. Borpatragohain
98640-61684

Dean, Faculty of Management

Prof. N. A. Baruah
98640-34527

Dean, Faculty of Technology

Prof. Rupjyoti Bharali
0361-2700231

Dean, Faculty of Engineering

Prof. D. Agarwal
99540-48758

Dean, Faculty of Fine Arts

Prof. M.P. Bezbaruah
98640-55485

Principal, University Law College

Dr. Jyoti Prasad Bora
0361-2570364

Director i/c, GU Institute of North East India Studies

Prof. M.P. Bezbaruah
98640-55485

Director i/c, GU Institute of Science and Technology

Prof. Manab Deka
99540-28440

Law Officer

Dipak Talukdar
98641-55442

Security Officer

Sri R. Borbaruah
99578-01312

Estate Officer

Rajeshwar Goswami
94353-08755 (M)

GAUHATI UNIVERSITY AT A GLANCE

Mission and Vision

The prime vision of the university is to revitalize its educational leadership and transform the university from an institution of higher education to an institution of higher development of intellect, will and morale through continuous self-development, collaboration and sharing of knowledge with institutions of excellence that would place it among the most sought-after institutions in the Country.

Some of the focused objectives are

- To become a leading university in the country and to set high standards of excellence in the preservation, creation and dissemination of knowledge through teaching, learning, research, innovation and experiment, and to serve as an effective instrument for development and change of the State of Assam and for the country, to pass on faithfully and comprehensively the cultural, scientific and technological experience of mankind accumulated over the last century, thereby ensuring the continuity and advancement of human civilization,
- To conduct pioneering research works in the frontier areas of knowledge,
- To introduce modular-based structure, multi and inter disciplinary approach in selected PG departments and to increase options and flexibility to the students in every PG department,
- To strengthen the extension education services to the society,
- To undertake faculty development programmes through training programmes, self-appraisal, student-feedback, participation in seminars, workshops and group discussions,
- To pursue and achieve excellence through collaboration with the institutions of higher learning and research in the country and abroad and through industry linkage and University-Industry interface,
- To introduce computer application for classroom instructions and in the administrative, financial and academic activities,
- To help judiciously to utilize and preserve the rich in biodiversity, biomass, thousands of rare flora and fauna, scenic beauty with many tourist spots, natural resources like oil, gas, coal, forest, water bodies, medicinal plants for which the North Eastern region is justly famous. The university has been contributing towards these efforts, and is now keen to play a key role in the future,
- To document and preserve the rich ethnic, cultural and linguistic diversity of the North East - a region with a population of 3.5 crores with more than two hundred tribes comprising nearly half of the total population, speaking more than 150 languages and dialects, and
- To work towards the economic integration and cultural links of North East India with the immediate neighbouring countries of Bhutan, Myanmar, Nepal, China, Bangladesh and Tibet.

The Emblem and Motto



The emblem of Gauhati University contains a wealth of meaning. On it is inscribed the name of the university and its motto in two significant Sanskrit words

Vidyaya Sadhayeta

'achievement through learning'

'Sadhayeta' indicates that the learner is the rightful person (Adhikari) of the fruit of learning. The Isopanishad states that one can attain immortality through learning or knowledge.

জিলিকাব লুইতৰে পাৰ

এন্ধাৰৰ ভেটা ভাঙি প্ৰাগজ্যোতিষত বয়

জেউতি নিজৰাৰে ধাৰ।

শত শত বস্তিৰ জ্ঞানৰে দীপালীয়ে

জিলিকাব লুইতৰে পাৰ।

সাঁচিপাতে ভাষা দিব, চিফুঙে আশা দিব

বংঘৰে মেলিব দুৱাৰ।

সমাজে সাবটিব মহান মানৱতা

বিজ্ঞানে আনিব জোৱাৰ।

জিলিকাব লুইতৰে পাৰ...

নতুনৰ গতি খেদা, ডেকা-গাভৰু আমি

নিৰ্ভীক এই শতিকাৰ।

অজ্ঞান চাকনৈয়া এফলীয়া কৰি থৈ
মাৰি যাওঁ জীৱনৰ ডাঁৰ।

জিলিকাব লুইতৰে পাৰ...

GU Anthem

Cultural Icon Bhupen Hazarika's well-known song on Gauhati University



A University

of the People

for the People

by the People

The establishment of Gauhati University was the culmination of a prolonged movement by the people of Assam for a university of their own since the early years of the twentieth century.

The demand for a university was raised in many forums, and over several decades. In 1917, presiding over the annual session of the Assam Association at Sibsagar, Satyanath Bora strongly advocated the case for a separate university in Assam. He pointed out that the Calcutta University could hardly reflect the ethos and aspiration of the people of Assam. In fact, the Sadler Commission, while visiting Cotton College in 1917, remarked that Assam could not be expected to mould its national character and shape its courses and curriculum of study so long as it remained under the academic control of Calcutta University. The matter was discussed in the Legislative Council for the first time in April 1917. A resolution that Assam should have a separate university was moved by Daiba Chandra Talukdar in the Annual Conference of the Guwahati Ekata Sabha, held at the Curzon Hall in 1928 under the presidentship of Karmabir Nabin Chandra Bardoloi.

The Assamese Students' Welfare League, based in Kolkata, the erstwhile Calcutta, became very active during this time and the demand for a university in Assam gathered momentum. Assamese was then recognized only as a subsidiary subject in Calcutta University and the League was successful in making it one of the principal languages of study. In 1931, the M.A. classes in English in Cotton College were abolished and there was also a move to shift the Earle Law College to outside Assam. These moves irked the people of Assam and the demand for a separate University grew stronger.

A resolution was tabled for a university in the Assam Legislative Council on the 17th of March, 1935, but the Government was not in favour of this because of financial constraints. A widely represented meeting, organized by the Assam Association and the Sangrakshini Sabha, was held at the Curzon Hall, Guwahati on the 30th April, 1935 with Lokpriya Gopinath Bardoloi on the chair. The meeting called for immediate establishment of a university in Assam and decided to form a University Committee with Lokpriya Bardoloi as the Secretary. With the coordinated efforts of the Assam Association, the Assamese Students' Welfare League and the University Action Committee of Nagaon, a movement was launched all over the state for establishment of a separate university for Assam. "University Day" was observed throughout the state on the 22nd May, 1935 with processions and public meetings. The Government of Assam, owing to increasing public pressure got prepared two schemes, one by J.R. Cunningham, retired Director of Public Instruction, Assam and the other by Dr. S.K. Bhuyan. Neither of the schemes was found acceptable. However, Robertson, who was the principal of the Murarichand College and who also served Assam as Director of the Education Department, wrote in the annual report, "It is said, Assam cannot afford to have university of its own, it cannot afford not to have one".

The initiatives for setting up a university were renewed after the Second World War. In December, 1944 the Gauhati University Trust Board was formed with Lokpriya Bardoloi as its President. Bardoloi, ably assisted by Madhab Chandra Bezbaruah, Fakhruddin Ali Ahmed, Bhubaneswar Barua, Dr. Maheswar Neog and others, toured the entire Assam Valley and secured assurance of more than 16 lakhs of rupees as donation. Of this, more than 5 lakhs were collected within a few months. Meanwhile, Bardoloi took over as the first Prime Minister of Assam in independent India. The formation of a popular Government under the leadership of Bardoloi made the task easier and as the State's Education Minister, Bardoloi moved the Gauhati University Bill. The Bill was accepted in Assam Assembly on the 15th October, 1947. The jurisdiction of Calcutta University and Decca Board of Intermediate and Secondary Education over Assam and the N.E. Region ceased with effect from the 26th January, 1948. On this date, Prime Minister Bardoloi formally inaugurated the Gauhati University. The eminent scholar and educationist Krishna Kanta Handiqui, M.A. (Cal. et Oxon) joined the university as its first Vice-Chancellor and Phanidhar Dutta, a professor of Mathematics of Cotton College was appointed as its first Registrar.

The university started functioning from a building left behind by the military in the Cotton College campus. In 1948, the University had 18 affiliated colleges besides two professional colleges, the Assam Medical College at Dibrugarh and the Assam Agricultural College at Jorhat till 1955. In the same year, the university was shifted to its present campus at Jalukbari.

Gauhati University could be established due to the aspirations of the people of Assam and their help and cooperation under the relentless and untiring efforts of a band of dedicated workers led by Gopinath Bardoloi, Madhab Chandra Bezbaruah, Sarat Chandra Goswami, Fakhruddin Ali Ahmed, Bhubaneswar Baruah and many others.



First G.U. Convocation, (3 February, 1951)
(Left to right) Founder Vice-Chancellor K.K. Handiqui
and Dr. S. Radhakrishnan

A Unique Heritage

The unprecedented and spontaneous financial support of the public and their untiring involvement in the thirty-one-year struggle thus led to the establishment of Gauhati University.

During the crucial initial years, this institution received the guidance of Krishna Kanta Handiqui, a pioneering Indologist and philanthropist as its first Vice-Chancellor.

V. Venkata Rao, Professor Emeritus, donated his lifetime savings of about 15 lakhs of rupees for the promotion of higher education in the country through several universities. A galaxy of eminent scholars and administrators, such as Bani Kanta Kakati, Birinchi Kumar Baruah, Maheswar Neog, Satyendra Nath Sarma, Paban Chandra Mahanta, Hiten Barua, Rohini Kumar Barua and many others will always be remembered for their notable contributions to the academic world and to the development of the university in its formative stages.

Over the years and across the decades since its existence, Gauhati University has emerged as a symbol of integration: it has offered opportunities of Higher Study to students from the ethnically and culturally diverse mosaic of communities of the North East.



First G.U. Convocation, (3 February, 1951)
(Left to right) Birinchi Kr. Barua, Banikanta Kakati
and Dr. S. Radhakrishnan

Resources

- 41 academic departments within 7 faculties & a constituent Law College inside the campus.
- The Institute of Distance and Open Learning (IDOL)
- An Institute of Science and Technology (GUIST)
- A faculty strength of 349, 84 officers and 925 C and D grade employees.
- Fully equipped laboratory facilities in all the science departments
- A Central Library with over 3 lakhs of books, periodicals, journals etc.
- A sprawling botanical garden with rare flora
- An Astronomical Observatory
- Various Research Centres
- 20 residential hostels for both boys and girls
- An Auditorium with a seating capacity for 2000 persons
- A Guest House and Hospital with resident doctors
- The Phanidhar Dutta Hall for talks, seminars and conferences
- Two new Hostels are coming up.

Capacity-enhancing Centres

- In addition to the forty-one academic departments, the University has other academic units:
- The UGC- Human Resource Development Centre

- The Pre Examination Training Centre
- The Extension Education Centre
- The Internal Quality Assurance Cell

New Programmes of Study

In response to the changing perceptions of needs and expectations of the society, Gauhati University has introduced a range of programmes of study. In addition to the traditional emphasis on the pursuit of original knowledge within the higher education system, many of the new programmes introduced have a more practical, technological as well as professional orientation.

Thus, after the successful introduction of the five-year integrated programme of Law in 2008, the University has introduced the five-year integrated programme of Commerce from 2009. Moreover, the GUIST was established to cater to advanced education in science and technology. These in-campus programmes are intended for those students who are likely to opt for higher studies and research, and have been specifically designed for such a purpose. Furthermore, in order to improve the potential for employment, where it is preferred to have knowledge of more than one subject, a system of dual degrees (B.S.+ MBA; B.Tech.+MBA) has been introduced for the benefit of the students enrolling into these programmes.

A range of other short-term courses of study intended to cater for specific needs and to enhance specific skills have also been introduced. More information in this regard can be found by referring to the information provided by the concerned departments and academic centres.

Location and Campus

The university is located at Jalukbari, within the Guwahati city area that belongs to the Kamrup Metro District. The campus has a hilly terrain on the southern side, with the Brahmaputra flowing on the northern side. The campus is spread over an extensive area where one can take a quiet and leisurely walk along any of its numerous roads.

The area has developed to a small township, now known as Gopinath Bardoloi Nagar. It has now a population of about 15,000 including 3000 students residing in the hostels. Besides, the residential quarters of teachers, officers and employees of the university, the twenty two halls of residence which includes two new ones, are spread across the university campus. The necessary civic amenities such as health service, water supply, street light, internal roads, Guest House, Post Office (HPO), a branch of State Bank of India, a branch of United Bank of India, canteens, a market, playgrounds, parks, indoor stadium, auditorium etc. are available in the campus.

Connectivity

The university is at a distance of 10 kilometres from the Lokapriya Gopinath Bardoloi Airport at Borjhar on the National Highway No. 37, 5 kilometres away from Kamakhya Railway station and 10 kilometres away from the Deputy Commissioner's Office (Kachari) at the heart of the Guwahati City. The capital complex of Assam at Dispur is 22 kilometres away from the university.

The university is easily accessible from Guwahati city, which has road, rail and air links from all parts of the country. A large number of bus services from the various parts of Assam terminate at Adabari which is hardly 2 kilometres away from the campus. The Inter State Bus Terminus (ISBT) is also nearby, i.e. only 10 Kilometres away on the National Highway No. 37 on the way to Dispur.

PROGRAMMES OF STUDY

| Sl. No. | Subject | Programme of Study | Intake |
|---------|-------------------------------|---|----------|
| 1 | Arabic | M.A. in Arabic | 60 |
| | | Ph.D | |
| 2 | Assamese | M.A. in Assamese | 88 |
| | | M.Phil | 15 |
| | | Ph.D. | |
| 3 | Bengali | M.A. in Bengali | 45 |
| | | M.Phil. | 10 |
| | | Ph.D. | |
| 4 | Bodo | M.A. in Bodo | 44 |
| | | Certificate Course for non-Bodos | |
| | | Ph.D. | |
| 5 | Disabilities Study | PG Certificate Course | 25 |
| | | PG Diploma Course | 25 |
| | | Certificate Course in Computer Literacy | 10 |
| | | Foundation Course in Science Teaching | 10 |
| 6 | Economics | M.A./M.Sc. in Economics | 75 |
| | | Master of Business Economics | 30 |
| | | M.Phil. | 15 |
| | | Ph.D. | |
| 7 | Education | M.A. in Education | 54 |
| | | M.Ed. | 50 |
| | | Ph.D. | |
| 8 | English | M.A. in English | 66 |
| | | M.Phil | 10 |
| | | Ph.D. | |
| 9 | English Language Teaching | M.A. in English Language & ELT | 35 |
| | | Ph.D. | |
| 10 | Foreign Languages | PG Certificate in French/Russian | 20+20 |
| | | PG Diploma in French/Russian | 20+20 |
| | | Intensive Course in French/Russian/German | 20+20+20 |
| | | M.Phil | 10 |
| | | Ph.D. | |
| 11 | Hindi | M.A. in Hindi | 50 |
| | | M.Phil. | 10 |
| | | Ph.D. | |
| 12 | History | M.A. in History | 60 |
| | | M.Phil. | 6 |
| | | Ph.D. | |
| 13 | Library & Information Science | M.L.I.Sc. | 30 |
| | | M. Phil. | 05 |
| | | Ph.D. | |

| | | | |
|----|--|---|----|
| 14 | Linguistics | M.A. in Linguistics | 10 |
| | | Ph.D. | |
| 15 | Modern Indian Languages & Literary Studies | M.A. Comparative Indian Literature | 15 |
| | | M.A., M.Phil, in Comparative Indian Literature | 15 |
| | | PG Diploma in Assamese | 15 |
| | | PG Diploma in Oriya | 15 |
| | | PG Diploma in Tamil | 15 |
| | | Ph.D. | |
| 16 | Persian | M.A. in Persian | 10 |
| | | PG Certificate Course in Persian | 10 |
| | | PG Diploma Course in Persian | 10 |
| | | Ph.D. | |
| 17 | Philosophy | M.A. in Philosophy | 72 |
| | | Ph.D. | |
| 18 | Political Science | M.A. in Political Science | 60 |
| | | Ph.D. | |
| 19 | Psychology | M.A./M.Sc. in Psychology | 28 |
| | | Certificate in Psychological Counselling | 20 |
| | | Ph.D. | |
| 20 | Sanskrit | M.A. in Sanskrit | 70 |
| | | M.Phil. | 10 |
| | | Ph.D. | |
| 21 | Sociology | M.A. in Sociology | 45 |
| | | Ph.D. | |
| 22 | Women's Studies | MA | 36 |
| | | M.Phil. | 10 |
| | | Ph.D. | |
| 23 | Anthropology | M.A./M.Sc. in Anthropology | 26 |
| | | Ph.D. | |
| 24 | Botany | M.Sc. in Botany | 40 |
| | | M.Sc. in Microbiology | 10 |
| | | M.Phil. | 20 |
| | | Ph.D. | |
| 25 | Chemistry | M.Sc. in Chemistry | 45 |
| | | PG Diploma in Analytical Chemistry | 15 |
| | | Ph.D. | |
| 26 | Environmental Science | M.Sc. in Environmental Science | 12 |
| | | Ph.D. | |
| 27 | Geography | M.A./M.Sc. in Geography | 38 |
| | | M.Phil. | 10 |
| | | Short-term Training in GIS & Remote Sensing Ph.D. | |
| 28 | Geology | M.Sc. in Geology | 28 |
| | | Ph.D. | |

| | | | |
|----|--|--|--------------|
| 29 | Mathematics | M.A./ M.Sc. in Mathematics | 80 |
| | | Ph.D. | |
| 30 | Physics | M.Sc. in Physics | 50 |
| | | M.Sc. in Radiological Physics | 10 |
| | | Ph.D. | |
| 31 | Statistics | M.Sc. in Statistics | 30 |
| | | M.Phil. | 6 |
| | | Ph.D. | |
| 32 | Zoology | M.Sc. in Zoology | 40 |
| | | M.Sc. in Animal Ecology & Wildlife Biology | 20 |
| | | Ph.D. | |
| 33 | Biotechnology | M.Sc. in Biotechnology | 18 |
| | | Ph.D. | |
| 34 | Computer Science | M.Sc. in Computer Science | 20 |
| | | M.Sc. in Information Technology | 10 |
| | | Ph.D. | |
| 35 | Electronics & Communication Technology | M.Sc. in Electronics & Communication Technology | 20 |
| | | M.Sc. in Microelectronics and Advanced Communication | 10 |
| | | M.Phil. | 6 |
| | | Ph.D. | |
| 36 | Instrumentation & USIC | M.Sc. in Instrumentation & Applied Physics | 20 |
| | | Ph.D. | |
| 37 | Communication & Journalism | M.A. in Mass Communication | 36 |
| | | Ph.D. | |
| 38 | Folklore Research | M.Phil. | 11 |
| | | Ph.D. | |
| 39 | Commerce | M.Com. | 60 |
| | | Five Year Integrated M.Com. | 55 |
| | | Ph.D. | |
| 40 | Business Administration | Master of Business Administration | 60 |
| | | Master of Business Economics | 30 |
| | | Ph.D. | |
| 41 | Law | LL.M. | 40 |
| | | Ph.D. | |
| 42 | GUIST | M.Tech. in Biotechnology | 10 |
| | | M.Tech. in Signal Processing and Communication | 18 |
| | | M.Tech. in Signal Processing and VLSI Design | 18 |
| | | M.Tech. in Material Science and Technology | 18 |
| | | M.Tech in Information Technology | 18 |
| | | M.S. in Chemical Science, Mathematical Science, Physical Science (only for GU Students who has completed 4 years B.S. course) | 10 (each) |
| 43 | University Law College | Three-year LL.B. (Hons.) | 120 |
| | | Five-year Integrated B.A. LL.B./B.A. LL. B. (Hons.) | 60 |

INTERDISCIPLINARY SUBJECTS OFFERED BY THE UNIVERSITY

This section of the Prospectus provides information about additional opportunities for students who want to explore the possibility of studying a subject other than the one in which they have got their undergraduate degrees.

There are 13 interdisciplinary subjects which offer the applicants a fresh chance of admission on the basis of an entrance test in the concerned subject. All applicants, including Gauhati University graduates, are required to sit for the test.

The expanding horizons of Interdisciplinary Studies

Within the Higher Education system, it is an usual practice for the students to pursue the same subject as he or she moves from undergraduate studies at college to postgraduate studies at the university. University education systems have traditionally encouraged this kind of linear progression in view of perceptions about relevant subject knowledge, research opportunities as well as job prospects.

However, many of traditional boundaries between disciplines are disappearing with the creation of new knowledge from the perspectives offered by a combination of more than one discipline. Such interdisciplinary perspectives have opened up fresh opportunities of research as well as new avenues for employment. All universities have also responded to these new developments by introducing various kinds of interdisciplinary subjects in which a Master's degree can be pursued.

Opportunities for Undergraduate Applicants

Every year, a large number of students with B.A., B.Sc. and B.Com. degrees from colleges affiliated to Gauhati University and other universities of the region apply for admission to the various Master's subjects offered by this University. The 13 interdisciplinary subjects offer opportunities to undergraduate students to explore new areas of study at the Master's level. These subjects offer opportunities for exploring new vistas of knowledge leading to a comparatively safe employability. A brief overview of each of these interdisciplinary subjects offering M.A./M.Sc./M.Tech. programmes is given below. More information on the individual subjects can be found by consulting the relevant pages of the concerned departments in this Prospectus.

1. Biotechnology

The Department of Biotechnology seeks to develop trained human resources in the field of Biotechnology and to create awareness in the society to harness the benefits of modern biotechnological innovations.

The Department is one of the pioneer departments in North East India imparting Biotechnology education and research. Research activities in the Department are exclusively supported through external funding from agencies like DBT, DST, DRL, UGC, ICMR, ICAR, NATP, ASTEC, NMPB and several others. The faculty members are also engaged in extension activities for developing entrepreneurship in some of the potential areas of Biotechnology in North East India. Students passing out of this department have engaged themselves in research and teaching in various national institutes such as RMRC, NEIST, MAMC, CDFD, NCL, IITG, IITK and international institutes, including the University of Kansas and Seoul University. Many students have established themselves in the industrial sectors like pharmaceutical companies including CHEMBIOTEK, ZYDUS CADILA, Dr.

REDDY'S LABS, public organizations such as the ONGC, OIL and in various Food Processing industries. Industrial linkages have been established in the sector of Plant Biotechnology, Floriculture, Biofertilizers and Food and Environmental Biotechnology, which are opening up new opportunities for the placement of students. Admission to the M.Sc. programme in Biotechnology is open for candidates with B.Sc. in Biotechnology or any other branch of Biological Science / Life Science with major in Botany, Biochemistry, Microbiology, Zoology or related subjects with Chemistry as one of the subjects.

2. Computer Science

In addition to its goal of producing manpower for the software and hardware industries, the Department of Computer Science seeks to provide a sound education in Computer Science and Information Technology to the students and to create a nice ambience for teaching and research in these areas. The M.Sc. (CS) programme has been designed to motivate the students towards theoretical and basic research in this field as well. IT is the area devoted to managing information using the latest technology available. The M.Sc. (IT) programme has been designed to give the students a competitive edge in finding employment in the areas of Database Design and Management, Networking, Software Development, Hardware Design etc. after completing the programme. Unlike many Master Degree programmes in this discipline, the special feature of these two Master's programmes is that their course content has been designed keeping in view the needs of students who have already completed a Bachelor Degree program in Computer Science/ Information Technology. High level courses like Distributed System, Theory of Computations, Embedded System, Compiler Design, Data Mining and Ware Housing, Speech Processing and Design of Programming Languages have been included. In addition to B.Sc. graduates in CS/IT, the Department seeks to foster a heterogeneous platform of interaction by encouraging students who have completed B.C.A, B.Sc. (IT), B.E. (CS/IT).

3. Electronics and Communication Technology

Ever since its inception, the Department of Electronics and Communication Technology has provided opportunities to students of the North Eastern Region for enhancement of their knowledge in Electronics and related areas. The Department has well-equipped laboratories and related facilities for the use of the students and research scholars. The Book Bank of the library issues out books to each student of the Department for the entire semester.

The students of M.Sc. (Electronics and Communication Technology) get an opportunity to undergo an Industrial Training for two months at an institute selected on the basis of the relevance of its activities with the course. Over the years, the employability of the students passing out of this department has been around 100%. The students completing

the masters programme of this department have found employment in organizations such as ISRO, Indian Air Force, NITSilchar, BSNL, ECIL, APRO, RRL, Motorola, Hutch, Ericsson, Nokia, Sony-Ericsson, Schlumberger, Infosys, Wipro BPO, TCS etc., including teaching opportunities in local private institutes and colleges.

Candidates with a minimum of 50% marks (General Category) and 45% marks (Reserved Category) with B.Sc. (Major) in the following subjects can apply for the Admission Test: (i) B.Sc. with Electronics Major (ii) B.Sc. with Physics Major (iii) B.Sc. with Major in Mathematics /Statistics /Chemistry with Electronics and /or Physics as a non-major subject.

4. Environmental Science

The Department of Environmental Science seeks to provide quality higher education in the area of environmental science, catering to the needs of Assam and the North Eastern Region. In addition to these academic objectives, the department aims at providing leadership in the areas of conservation of the environment, rational utilization of natural resources and creation of public awareness in the region.

Environmental Science is a multidisciplinary subject. To know the environment and its complex phenomena, one requires a wide range of knowledge from various disciplines regarding biotic components, different phenomena of the environment, innovative technologies, environment protection strategies, and humanistic and legal perspectives. The department offers research facilities in the fields of air, water and soil pollution studies, solid waste management and technology, environmental meteorology, seismological studies, flood hazard, application of remote sensing and GIS, environmental impact assessment, ecotourism, etc. The students who have passed out from the department have got jobs in government and semi-government establishments, as well as in various private and public sector organizations. Most student are involved in research and other developmental activities. A few of them have been employed by a number of leading NGOs of the region. Prospective students with B.Sc. (Major) in any subject, or Environmental Science as a non-major subject and securing a minimum of 45% marks in Major Course or 50% marks in General Course are eligible for admission into the M.Sc. Course in Environmental Science.

5. Instrumentation & USIC

The Department of Instrumentation & USIC renders repair and maintenance services in the field of operation, repair and maintenance of various laboratory instruments for other departments of Gauhati University and also for affiliated colleges and other public and private organizations. The syllabus covers a wide variety of technical courses like Embedded System, Biomedical Instrumentation, Optoelectronics, Communication, Computer Network, Analytical Instruments, Process Control, Industrial Instrumentation. The Faculty Members and Scientific Officers are involved in research in Nanotechnology and Material Science, Speech and Language Technology, Instrumentation for Cosmic Ray detection, Embedded System, Smart Instrumentation, and Agro- Electronics. Interdepartmental and interdisciplinary research programmes and research projects funded by DST, MIT, UGC etc. are undertaken by the faculty members. The Research scholars pursue Ph.D. works under the guidance of faculty members under Faculty of Technology, Gauhati University. There is high employment potential for those qualifying from this department in the telecommunication sector, in Oil Industries and in Electronics

Industries. Some important placements include Field Engineer in Ericsson, Reliance, Instrument Engineer in Topson Cement Industry, etc. Students with B.Sc. (Major) in Physics, Chemistry, Mathematics, Statistics, Computer Science, and Electronics can apply for admission to the M.Sc. Programme of the department.

6. Library and Information Science

Library and Information Science is a multidisciplinary subject. It gives emphasis on the management of a modern library on the basis of Information and Communication Technology (ICT). The department welcomes students from a wide range of backgrounds such as Computer Science, Physics, Chemistry, English Literature, Commerce, History, Anthropology and Statistics.

There is a high demand for professional librarians with appropriate background in many institutions, including such discipline-based organisations like the Survey of India, the Botanical Survey of India, the Bharatiya Vidya Bhawan, the Sahitya Academy and the National Book Trust. The Survey of India, for instance, needs librarians with Geography/Geology as a subject at the degree level. Similarly, the Sahitya Academy requires library professionals with a literature background. Again, the Botanical Survey of India very often advertises their library positions for which they prefer applicants with Botany as one of the subjects at the degree level. Therefore, the department welcomes talented students from all disciplines so as to ensure quality human resource in the field of Library and Information.

Graduates of the 10+2+3 pattern in any discipline from Gauhati University or any other university recognized by the UGC with a minimum of 40% marks in Major Course or 45% marks in General Course are eligible to apply for admission to the M.L.I.Sc. Programme.

7. Linguistics and ELT

The linguistic diversity of North East India requires urgent documentation, description and analysis of the indigenous languages. Moreover, the emerging importance of English as an important language of communication for educational and social purposes has created an urgent need for the English language to move beyond the limits of the traditional association of the English language with English Literature and to establish it as an autonomous 'service discipline' for all subjects, from Anthropology to Zoology. These circumstances led the two allied Departments of Linguistics and English Language Teaching to jointly introduce an interdisciplinary M.A. programme called LELT. This programme offers graduates of any discipline a chance to apply to two M.A. programmes in a single application. The option to complete the M.A. either in Linguistics or in ELT remains open to the students for two semesters. The recognition of the emerging importance of ELT in various sectors is reflected in the jobs that students of this department have been able to secure in the corporate sector (Wipro BPO, Deloitte, British Council), private sector (Shankar Academy, GIMT, St. Mary's College, Teachers' Training College, other technical institutes.), NERIST, several prestigious schools of the city and university. As a research-oriented discipline, employment opportunities in Linguistics are rather specialised. However, two areas that offer potential employment opportunities are literacy and language education and corpus linguistics. Corpus Linguistics as a strong empirical methodology for handling huge amounts of computer-readable language data has generated interest in

the corporate sector, thereby offering possibilities of employment to students of Linguistics. Any graduate from the science, commerce and arts streams is eligible to apply to the LEET programme, provided he or she has scored at least 50% in English as a subject at graduation or secured Major in English.

8. Microbiology

The Course M.Sc. in Microbiology is run by the Department of Botany. It was started in the session 2014-15 and has been well responded by the students. Students having B.Sc. Major Degree in Biochemistry, Microbiology, Botany, Biotechnology, Zoology and Agriculture are eligible for admission in to the course. Being a self-financing course, the course fee is Rs. 25,000/- per student per semester.

9. Mass Communication

The motto of the Department of Communication and Journalism is to become a hub of all mass communication-related activities for the entire North Eastern Region in every field of this subject.

The department came into being as early as 1967 through the rare foresight and ability to think ahead of the times of its founders. It is one of the first ten university departments of this discipline in the country.

Students with an M.A. in Mass Communication from the department have been well-received by the industry. They have been getting jobs in various private as well as government and semi-government establishments like FM Radio channels of Assam, almost all print media houses of Assam and in DIPR, Assam. Besides, some of the students are working in Mumbai/Delhi in Audio Visual and print media. Our students are also working with various PR, Advertisement, and web content development organizations. Several of our current students have been selected for casual/part-time jobs as programme anchors and announcers / programme producers, news readers etc. in TV and Radio channels.

Any graduate from a recognized university in any subject with 50% marks in aggregate is eligible to apply for admission to the M.A. course in Mass Communication.

10. Psychology

As the scientific study of human and animal behaviour, psychology has its applications in practically every area of study where behaviour is of importance. While a foundation in psychological knowledge at the B.A. /B.Sc. level forms the basis for post graduate study in the subject, at higher levels of study the subject draws on inputs from a variety of subjects such as Physiology, Neurology, Linguistics, Geography, Philosophy, Religion/Spirituality, Anthropology, Sociology, Endocrinology, etc. The application of psychological principles and theory, in turn, is found in subjects such as Education, Business Management, Home Science, Economics, Artificial Intelligence, Environmental Conservation, Neuroscience, Space Training, Sports, etc.

The M.A. degree in Psychology offers a number of career options. With a further M. Phil, degree in Clinical Psychology, one can become a practising Clinical Psychologist, other registered with the Rehabilitation Council of India. With specialization in organizational and industrial psychology, jobs in industry and other organizations are possible. Counselling positions are available in the areas of health and education. A career in media and advertising is also an option. The armed forces also recruit psychologists. Moreover, entry into the

bureaucracy through State Public Service Commissions and UPSC exams with Psychology as an optional paper is a further option.

Students with a B.A. degree in the 10+2+3 pattern with Major in Psychology, Philosophy, Education, and Home Science, as well as graduates in medical sciences including Ayurvedic Science and Homeopathy are eligible for admission to the M.A. programme.

11. Sociology

The Department of Sociology came into existence as a response to the long-felt demand for the scholastic pursuit in the discipline at the university level in the region. It seeks to promote an in-depth understanding and research on North East India, contextualized in the region and global milieu and necessitated by contemporary developments. The M.A. programme in Sociology is designed to give to the students an intensive orientation on sociological perspectives and a wide disciplinary gamut to choose from for their specialized interests. Its focus is to train students to develop critical understanding, and to do rigorous research as the next generation of social scientists and to be able to chart their courses in academia, government, the non-profit sector or private industry, such as NGOs, media, industry, health education and public service. Sociology is also a viable option for students aspiring to appear for competitive examinations conducted by the UPSC, APSC and others. Graduates from any discipline with a minimum of 45% marks can apply for the M.A. programme in Sociology.

12. Women's Studies

The Department of Women's Studies, aims to develop new ways of thinking about research and constructing knowledge that is sensitive to women's circumstances and perspectives. Inter-disciplinarity, reflexivity and nonconformity demarcates Women's Studies from other traditional disciplines.

Through its academic programmes, the department seeks to train students and research scholars in thinking critically about society and gender based discriminations. In addition to efforts to create socially sensitive and responsible individuals, it also aims to study mainstream gender issues at all levels.

Employment prospects in the discipline are bright because under its 12th Plan, the University Grants Commission recommended that Women's Studies Centres be opened across various parts of the country and the number of posts under the Women's Studies programme also increased manifold. This implies that teaching and research activities are going to increase in Women's Studies. Graduates in Women's Studies also have an edge in sectors such as NGOs, Media, Policy Think-tanks, Autonomous Research and Development organizations where knowledge of critical concepts in gender is essential.

Since Women's Studies is interdisciplinary in nature, the department encourages students from various disciplinary backgrounds to apply for admission.

13. Comparative Indian Literature

M.A. course in Comparative Indian Literature has been started in 2015 with an intake capacity of 10 students per semester. To qualify to get admitted to this course, the applicant has to appear in an entrance test. The course is interdisciplinary in nature. It is offer by the department of Modern Indian Languages.

ADMISSION PROCESS

Admission Procedure

Application forms for Admission

(a) Prescribed Application Form is available for admission to PG and other courses on procurement of this Prospectus on payment of Rs. 400.00 each at the following places :

1. G.U. Press
2. G.U. Information Centre, WUS Building, Ambari, Guwahati -1

(b) Online Application Form may also be available which can be used instead of submitting a hardcopy form. This will be available at www.gauhati.ac.in.

The payment can be made at the Gauhati University Cash Counter or by a Bank Draft drawn in favour of the Registrar, Gauhati University and payable at the State Bank of India, G.U. Branch or payable at UBI, GU Branch.

Additional Prescribed Forms:

For those seeking admission under any "reservations/ quota" (viz., Differently abled / Disabled, sons and daughters of permanent G.U. employees in service, Fringe village and Extra curricular & Co-curricular activities etc.) **additional prescribed forms are to be submitted separately in the concerned departments.** Additional prescribed forms are available in the Gauhati University Press (GUP). Admission for other Courses/ Programmes of Study available during 2016-17 will be notified by the Office of the Secretary, University Classes from time to time.

Admission to University Halls

Prospective boarders are advised to visit the University website - www.gauhati.ac.in for details.

Hostel Identity Cards are issued from the Office of the Secretary, University Classes, G.U.

(b) Documents to be produced in original at the time admission in the concerned departments for verification as well as attested copies of the following:

1. Degree Marksheets, Certificates from the Head of the Institution last attended
2. H. S. L. C. Certificate or Admit Card for verification of age
3. Registration Certificate of the last course attended.
4. Relevant certificate(s) from concerned authority in case of those applying for admission under any category of reservation.

(c) Eligibility

Eligibility for M.A./M.Sc. Courses

- i. B.A./B.Sc. (in the 10 + 2 + 3 pattern) with Major/ Honours Course in the concerned subject.
- ii. B.A./B.Sc. (in the 10 + 2 + 3 pattern) with General/ Pass Course with at least 45% marks in the concerned subject as well as in aggregate or equivalent CGPA.

N.B. : 45% marks is to be calculated on the basis of marks obtained in Part-I and Part - II of the (2+1) pattern/Part-1, Part-

II and Part-III of the (1+1+1) pattern.

Eligibility for M.Com. Course

- i. B.Com. in the 10+2+3 pattern with "Major Course in the subject.
- ii. B.Com. in the 10+2+3 pattern with at least 40% marks in aggregate in General Course.

However, certain specific eligibility criteria have been fixed by the concerned departments, the details of which can be found in the relevant sections of the PG admission Prospectus.

Admission to M.A./M.Sc./M.Com. 1st Semester Classes shall be made strictly on Merit. Preference will be given to candidates having Major/Honours Course in the concerned subject in order of merit or as specified by departments as mentioned in the relevant notification intuing applicants.

(d) Eligibility for Interdisciplinary Subjects

In addition to the subjects available to Major Course and General Course candidates of the concerned subjects, the following twelve subjects offer a wide range of choices to applicants coming from a variety of disciplines:

| INTERDISCIPLINARY Subjects |
|--|
| Biotechnology |
| Computer Science |
| Electronics and Communication Technology |
| Environmental Science |
| Instrumentation and Applied Physics |
| Comparative Indian Literature |
| Library and Information Science |
| Linguistics and ELT |
| Mass Communication |
| Psychology |
| Sociology |
| Women's Studies |
| Microbiology |

Special provisions for admission as prescribed in the concerned Regulations shall be applicable in respect of these twelve subjects.

For more information, interested applicants are advised to consult the relevant pages of the Admission Prospectus,

(e) Reservation of Seats

Reservation for Permanent Residents of Assam

| | |
|-------------------------------|-----|
| (a) Scheduled Caste | 7% |
| (b) Scheduled Tribes (Plains) | 10% |
| (c) Scheduled Tribes (Hills) | 5% |
| (d) O.B.C. & M.O.B.C. | 15% |

Other Reservations

- a) 3% of the total seats for each faculty (Arts, Science, Commerce) will be kept reserved for Differently Abled

Students.

- b) For sons and daughters of permanent GU Employees - one seat is kept reserved in each of the departments with intake capacity 40 or less and two seats in each of those departments with more than 40 intake capacity provided such candidates fulfill eligibility criteria.
- c) Total 10 (ten) seats are kept reserved for the students under fringe villages, viz., GARIGAON, SADIUPUR, SUNDARBARI and KATIADAUMMG whose parents are permanent residents in the above village(s) since 1950.
- d) Five seats are reserved for the sons and daughters of permanent GU Ex-employees.
- e) Seats reserved for sons and daughters of ex-defence personnel as per E.C. Resolution.

Reservation for other universities

20% of the seats in each department is allowed to the candidates of other universities on the basis of an admission test of 100 marks of two hours' duration, and as per existing rules..

Relaxation of Marks

Candidates for reserved quota (SC/ST/OBC/MOBC) shall be given relaxation up to 5% of the marks prescribed for admission. The relaxation will not be applicable to candidates seeking admission in any other reserved quota.

Applicant of category (b) of other reservations above are allowed 10% relaxation in marks in the entrance test subject to fulfilment of other eligibility criteria.

Reservation under Extra-Curricular & Co-Curricular Activities

A few seats may be offered for admission to M.A./M.Sc./M. Com. Courses to students who have shown extraordinary proficiency in Extra-Curricular activities in the last three years preceding graduation.

Events of Sports and other E.C. activities will be those incorporated in the Inter University Sports/Cultural/Literary Competition. Any sports/events organised by an association must be recognised by and affiliated to the national body for that sport/event and by Indian Olympic Association.

Preference will be given to candidates in the following order:

1. Those who represented the country in the International events.
2. Those who won Prizes at recognised National level events.
3. Those who won Prizes in the Inter-University sports/Cultural/Literary events.
4. Those who represented Gauhati University in the Inter-University sports/Cultural/Literary meet or the State at National events.
5. Those who won Prizes in the Inter-College Youth Festival G.U. and Inter-College Sports Meet, under G.U. Sports Board.
6. Those who won Prizes at recognised State level competitions.
7. Students who were awarded fellowships/scholarships by Central Ministry of Culture, Sports, Youth Welfare for excellence in art, culture & sports etc.

8. Those who have obtained NCC 'C' Certificates or participated in the Republic Day Parade under NCC.
9. Those who have obtained NCC 'B' Certificates or participated in the Republic Day Parade under NCC. (This is applicable only for the students applying for admission into integrated courses).
10. Those who represented the University in N.S.S. Camp at National level.

(f) Admission of International Students

The University has provisions for admitting NRIs and other International students (either self-sponsored or supported by some study award) to Post Graduate studies. Such students should get in touch with the concerned departments to ensure that they meet the eligibility requirements for the programme of study for which they wish to apply, and for further course of action in this regard.

(G) Entrance Tests

Modalities and schedule of Entrance Tests will be notified in the Admission Notification for the session 2016-17 and in the GU website www.gauhati.ac.in

However, in view of the possibility of last minute changes, applicants are strongly advised to confirm the exact date and time of commencement of the entrance Test from the concerned department closer to the time of test.

(h) Submission of Anti-Ragging Undertakings

All candidates whose names appear in the lists of selection for admission shall have to submit required Anti-Ragging Undertakings on the date of admission itself, in the respective departments. Waitlisted candidates shall have to submit the same within 10 days from the date of admission.

A student admitted to a Hostel shall have to submit separate Anti-Ragging Undertakings on the date of entry to the Hostel at the Office of the Secretary, University Classes. For necessary instruction, please see the last page of the Anti-Ragging Booklet.

(i) Lists of Selected Candidates

Applications will be processed by the Departmental Advisory Committees and finalised by the Admission Committee under the relevant provisions of the Ordinance on Admission. Lists of selected candidates shall be notified in the concerned Departments and also in the G.U. Website: www.gauhati.ac.in.

(j) Amount of Fees

Information on the subject-wise consolidated fee structure for respective subjects will be notified along with the list of selected candidates.

(k) Date of Admission

As notified in the Admission Notification for the Session 2016-17.

(l) Commencement of Classes

As notified in the Admission Notification for the Session 2016-17.

(m) Cancellation of Seats

A student failing to attend classes for 15 days (fifteen days) at a stretch from the date of commencement of classes shall forfeit his/her seat.

GENERAL INFORMATION AND RULES

1. No student shall be admitted to any course of studies as aforesaid if he/she is found to have indulged in activities detrimental to academic interest.
2. No student shall be admitted to more than one course in the same shift.
3. A student who is found to violate university rules shall be liable to expulsion.
4. If a student's involvement in any incident of ragging comes to the notice of the authority, such a student would be given liberty to explain, and if his/her explanation is not found satisfactory, that student will be expelled from the university.
5. A student who is found to have indulged in consumption of drugs or intoxicating drinks, gambling and other immoral activities shall be liable to expulsion.
6. Students admitted to various courses of studies are required to participate in instructions (Lectures, tutorials seminars, laboratory works and other academic activities) as prescribed in the relevant Regulations and shall be expected to participate in the Co-Curricular and Extra Curricular activities organised by department or by the university. They are expected to appear at the examination due at the end of the course of studies. Students who fail to do so without assigning sufficient reasons to the satisfaction of the competent authority shall not be permitted to continue their studies in the following year.
7. Attendance in Classes is compulsory. To be eligible to sit for the Examinations as a regular candidate, the students should have at least 75% of attendance of lectures (separately for the theoretical and practical classes) as prescribed in the concerned Regulations.
8. Each Academic session will run as per the Academic Calendar included in this Prospectus.
9. Fees are to be paid for admission by the candidates, if selected on the date as notified, other-wise seats will be cancelled and filled up by candidates next in the list.
10. The admission will be granted in accordance with the provision made in the Ordinance on admission of students to P. G. Courses etc.
11. The students shall have to comply with the Regulations for the course, Rules and Orders as may be prescribed by the university authority from time to time.
12. The decision of competent/appropriate bodies like the Residence, Health and Discipline Board, the Executive Council on all matters relating to students' indiscipline shall be final and binding.



ACCOMMODATION

G.U. Halls of Residence for girls and boys are shown below :

Residence for Girls

| Name and type of Hall | Total seats | Wardens and Departments/ Offices | Contact Numbers | |
|--|-------------------------|--|-----------------|-------------|
| | | | Hostel | Warden |
| Nalinibala Devi Girls' Hostel RCC-I | 60 | Dr. Bibha Bharali (Assamese) | | 98640 30466 |
| Rani Gaidalu Law Girls' Hostel AT-2 | 64 | Mridusmita Sarma (University Law College) | 2672836 | 94011 30079 |
| Chandraprabha Saikia Chatri Niwas AT-3 | 104 Single Seater | Dr. Bulbuli Khanikar (Zoology) | 2672832 | 96138 56732 |
| Indira Miri Girls' Hostel RCC-II | 124 | Dr. Madhusree Das (Geography) | 2673934 | 98640 18577 |
| Puspalata Das Girls' Hostel RCC-III | 130 | Dr. Padmini Bhuyan Boruah (ELT) | 2672880 | 98642 07924 |
| Padmawati Devi Phukanani Girls' Hostel RCC-IV | 106 | Ms. Mainu Barbaruah Phukan (In-charge) | 2673302 | 94353 32324 |
| New Girls' Hostel RCC-V | 160 | Lakhimee Devi (Women's Studies) | 2673020 | 99543 20152 |
| Mulagabharu Girls' Hostel AT-10 | 102 | Ms. Mainu Barbaruah Phukan (In-charge) | | 94353 32324 |
| Gandhi Bhawan Research Scholars Girls' Hostel | 38 | Prof. Mukta Biswas (Sanskrit) | 2672833 | 34355 48615 |
| RCC VI Girls' Hall | 106 | Dr. Ritamoni Baishya | | 94351 16133 |

Hostel Administrator (Girls' Hostel)

Ms. Mainu Barbaruah Phukan, Ph. 94353-32324



Residence for Boys

| Name and type of Hall | Total seats | Wardens and Departments/ Offices | Contact Numbers | |
|---|----------------------|--|-----------------|-------------|
| | | | Hostel | Warden |
| Madhab Bezbaruah Boys' Hostel RCC-I | 102 | Prof. Sanjay Kr. Singh (Librar & Information Science) | 2672825 | 94350 40402 |
| Gopinath Bardoloi Boys' Hostel RCC-II | 160 | Prof. Prasanta Kumar Saikia (Zoology) | 2672835 | 94353 44883 |
| Dr. Banikanta Kakati Boys' Hostel RCC-III | 102 | Dr. Arijit Bora (GUIST) | | 87239 45664 |
| Dr. Bhubaneswar Baruah Boys' Hostel RCC-IV | 102 | Dr. Dwipen Bezbaruah (Anthropology) | | 94350 34172 |
| V. Venkata Rao Research Scholars Boys' Hostel RCC-V | 80 | Prof. Tulsī Bezbaruah (Electronics & Communication Technology) | 2673137 | 94351 09486 |
| Lakshminath Bezbaruah Boys' Hostel AT-4 | 32 | Dr. Samir Sarkar (Dept. of Business Administration) | 2673302 | 95084 23060 |
| Sahityacharya Atul Chandra Hazarika Boys' Hostel AT-5 | 32 | Dr. Samir Sarkar (Dept. of Business Administration) | | 95084 23060 |
| Padmanath Gohain Baruah Boys' Hostel AT-6 | 32 | Dr. Jagadish Sarma (Sanskrit) | 2672831 | 94351 00534 |
| Lachit Barphukan Boys' Hostel AT-7 | 32 | Dr. Jagadish Sarma (Sanskrit) | 2672829 | 94351 00534 |
| Rupkonwar Jyotiprasad Agarwala Boys' Hostel AT-8 | 102 Single Seater | Dr. Nityananda Deka (Geography) | 2673022 | 98549 20804 |
| Jnanadabhiram Baruah Boys' Hostel AT-9 | 102 | Dr. Bikash Gogoi (Geological Sciences) | 2673023 | 99573 96561 |

As part of the University's efforts to rationalize its resources, there are likely to be some changes in the present provisions of accommodation for boys and girls.



SCHEDULE OF FEES

(Fees to be paid at the time of admission)

| Sub - Assamese | | |
|----------------|-------------------------------------|---------------|
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee Annually | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fees | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fees | 150 |
| 9 | P.S.A.F. (Full Course) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| | TOTAL | 8000 |
| Sub - LELT | | |
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee Annually | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fees | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fees | 150 |
| 9 | P.S.A.F. (Full Course) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| | TOTAL | 8000 |
| Sub - Arabic | | |
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee Annually | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fees | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fees | 150 |
| 9 | P.S.A.F. (Full Course) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |

| 13 | Utility Service | 450 |
|-----------------|-------------------------------------|---------------|
| | TOTAL | 8000 |
| Sub - Bengali | | |
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee Annually | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fees | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fees | 150 |
| 9 | P.S.A.F. (Full Course) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| | TOTAL | 8000 |
| Sub - Bodo | | |
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee Annually | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fees | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fees | 150 |
| 9 | P.S.A.F. (Full Course) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| | TOTAL | 8000 |
| Sub - Economics | | |
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee Annually | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fees | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fees | 150 |
| 9 | P.S.A.F. (Full Course) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| | TOTAL | 8000 |

| Sub - English | | |
|---------------|-------------------------------------|---------------|
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee Annually | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fees | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fees | 150 |
| 9 | P.S.A.F. (Full Course) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| | TOTAL | 8000 |
| Sub - Hindi | | |
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee Annually | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fees | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fees | 150 |
| 9 | P.S.A.F. (Full Course) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| | TOTAL | 8000 |
| Sub - History | | |
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee Annually | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fees | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fees | 150 |
| 9 | P.S.A.F. (Full Course) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| | TOTAL | 8000 |

| Sub - Persian | | |
|---------------------|-------------------------------------|---------------|
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee Annually | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fees | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fees | 150 |
| 9 | P.S.A.F. (Full Course) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| | TOTAL | 8000 |
| Sub - Philosophy | | |
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee Annually | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fees | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fees | 150 |
| 9 | P.S.A.F. (Full Course) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| | TOTAL | 8000 |
| Sub - Political Sc. | | |
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee Annually | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fees | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fees | 150 |
| 9 | P.S.A.F. (Full Course) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| | TOTAL | 8000 |

| Sub - Sanskrit | | |
|----------------|-------------------------------------|---------------|
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee Annually | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fees | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fees | 150 |
| 9 | P.S.A.F. (Full Course) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| TOTAL | | 8000 |

| Sub - Women's Studies | | |
|-----------------------|-------------------------------------|---------------|
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee Annually | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fees | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fees | 150 |
| 9 | P.S.A.F. (Full Course) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| TOTAL | | 8000 |

| Sub - Education | | |
|-----------------|--------------------------------|---------------|
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee Annually | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Laboratory Admission Fee | 660 |
| 6 | Laboratory Caution Money | 300 |
| 7 | Library Card Fee | 100 |
| 8 | Library Caution Money (Refund) | 300 |
| 9 | Library Fee | 390 |
| 10 | Magazine fees | 150 |
| 11 | P.S.A.F. (Annual) | 60 |
| 12 | Student Union Fee (Annual) | 250 |

| | | |
|--------------|---------------------|-------------|
| 13 | Youth Festival fee | 10 |
| 14 | Exam fee (Annually) | 2390 |
| 15 | Utility Service | 450 |
| TOTAL | | 9240 |

| Sub - Sociology | | |
|-----------------|--------------------------------|---------------|
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee (Annual) | 450 |
| 2 | Course fee (Annual) | 13200 |
| 3 | Game fee (Annually) | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fee | 100 |
| 6 | Library Caution Money (Refund) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fee (Annual) | 150 |
| 9 | P.S.A.F (Annual) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| TOTAL | | 17900 |

| Sub - Geography | | |
|-----------------|-------------------------------------|---------------|
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee (Annual) | 450 |
| 2 | Centre Fee (Annual) | 550 |
| 3 | Course fee (Annual) | 3300 |
| 4 | Exam From Fee (Annual) | 20 |
| 5 | Field Work Fee | 1320 |
| 6 | Game fee | 330 |
| 7 | Identity Card Fees (Full Course) | 100 |
| 8 | Laboratory Admission Fees | 660 |
| 9 | Laboratory Caution Money | 300 |
| 10 | Library Card Fee | 100 |
| 11 | Library Caution Money (Full Course) | 300 |
| 12 | Library Fee (Annual) | 390 |
| 13 | Magazine fee (Annual) | 150 |
| 14 | Mark Sheet Fees (Annual) | 330 |
| 15 | P.S.A.F. (Annual) | 60 |
| 16 | Practical Fees (Annual) | 770 |
| 17 | Student Union Fee (Annual) | 250 |
| 18 | Youth Festival fee | 10 |
| 19 | Exam fee (Annually) | 1210 |
| 20 | Utility Service | 450 |
| TOTAL | | 11050 |

| Sub - Mass Comm. | | |
|------------------|------------------------|---------------|
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee (Annual) | 3300 |
| 2 | Course fee (Annual) | 7900 |

| | | |
|----|--------------------------------|--------------|
| 3 | Field Work Fee | 2760 |
| 4 | Game fee (Annual) | 330 |
| 5 | Identity Card Fees (Annual) | 100 |
| 6 | Laboratory Admission Fees | 1500 |
| 7 | Laboratory Caution Money | 300 |
| 8 | Library Card Fee (Annual) | 100 |
| 9 | Library Caution Money (Refund) | 300 |
| 10 | Library Fee | 400 |
| 11 | Magazine fee (Annual) | 150 |
| 12 | PSAF (Annual) | 60 |
| 13 | Student Union Fee (Annual) | 250 |
| 14 | Youth Festival fee | 10 |
| 15 | Exam fee (Annually) | 2660 |
| 16 | Utility Service | 450 |
| | TOTAL | 20570 |

Sub - Psychology

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|-------------------------------------|---------------|
| 1 | Admission fee (Annual) | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Field Work Fee | 1300 |
| 4 | Game fee | 330 |
| 5 | Identity Card Fees (Annual) | 100 |
| 6 | Laboratory Caution Money | 300 |
| 7 | Laboratory Fee (Annual) | 670 |
| 8 | Library Card Fee (Annual) | 100 |
| 9 | Library Caution Money (Full Course) | 300 |
| 10 | Library Fee | 390 |
| 11 | Magazine fee (Annual) | 150 |
| 12 | PSAF (Annual) | 60 |
| 13 | Student Union Fee (Annual) | 250 |
| 14 | Youth Festival fee | 10 |
| 15 | Exam fee (Annually) | 2880 |
| 16 | Utility Service | 450 |
| | TOTAL | 11040 |

Sub - Anthropology

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|----------------------------------|---------------|
| 1 | Admission fee (Annual) | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Field Work fee | 1320 |
| 4 | Game fee | 330 |
| 5 | Identity Card Fees (Full Course) | 100 |
| 6 | Laboratory Caution Money | 300 |
| 7 | Laboratory fee (Annual) | 660 |
| 8 | Library Card Fee | 100 |
| 9 | Library Caution Money (Refund) | 300 |
| 10 | Library Fee (Annual) | 390 |
| 11 | Magazine fees (Annual) | 150 |

| | | |
|----|----------------------------|--------------|
| 12 | PS.A.F. (Annual) | 60 |
| 13 | Student Union Fee (Annual) | 250 |
| 14 | Youth Festival fee | 10 |
| 15 | Exam fee (Annually) | 2880 |
| 16 | Utility Service | 450 |
| | TOTAL | 11050 |

Sub - Botany

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|----------------------------------|---------------|
| 1 | Admission fee (Annual) | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Field Work fee | 1320 |
| 4 | Game fee | 330 |
| 5 | Identity Card Fees (Full Course) | 100 |
| 6 | Laboratory Caution Money | 600 |
| 7 | Laboratory fee (Annual) | 330 |
| 8 | Library Card Fee | 100 |
| 9 | Library Caution Money (Refund) | 300 |
| 10 | Library Fee (Annual) | 390 |
| 11 | Magazine fees | 150 |
| 12 | P.S.A.F.(Annual) | 60 |
| 13 | Student Union Fee (Annual) | 250 |
| 14 | Youth Festival fee | 10 |
| 15 | Exam fee (Annually) | 2880 |
| 16 | Utility Service | 450 |
| | TOTAL | 11020 |

Sub - Biotechnology

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|----------------------------------|---------------|
| 1 | Admission fee (Annual) | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Field Work fee | 1320 |
| 4 | Game fee | 330 |
| 5 | Identity Card Fees (Full Course) | 100 |
| 6 | Laboratory Caution Money | 300 |
| 7 | Laboratory fee (Annual) | 6600 |
| 8 | Library Card Fee | 100 |
| 9 | Library Caution Money (Refund) | 300 |
| 10 | Library Fee (Annual) | 390 |
| 11 | Magazine fees (Annual) | 150 |
| 12 | RS.A.F. (Annual) | 60 |
| 13 | Student Union Fee (Annual) | 250 |
| 14 | Youth Festival fee | 10 |
| 15 | Exam fee (Annually) | 2880 |
| 16 | Utility Service | 450 |
| | TOTAL | 16990 |

Sub - Computer Sc.

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|------------------------|---------------|
| 1 | Admission fee (Annual) | 3000 |

| | | |
|----|--------------------------------|--------------|
| 2 | Course fee (Annual) | 12000 |
| 3 | Exam fee (Annually) | 1920 |
| 4 | Game fee | 300 |
| 5 | Identity Card Fees (Annual) | 100 |
| 6 | Laboratory Caution Money | 300 |
| 7 | Laboratory fee | 1000 |
| 8 | Library Card Fee | 100 |
| 9 | Library Caution Money (Refund) | 300 |
| 10 | Library Fee | 700 |
| 11 | Magazine fees | 150 |
| 12 | PS.A.F. (Annual) | 50 |
| 13 | Student Union Fee (Annual) | 200 |
| 14 | Youth Festival fee | 10 |
| 15 | Utility Service | 450 |
| | TOTAL | 20580 |

Sub - Chemistry

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|--------------------------------|---------------|
| 1 | Admission fee (Annual) | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Laboratory Caution Money | 300 |
| 6 | Laboratory fee | 660 |
| 7 | Library Card Fee | 100 |
| 8 | Library Caution Money (Refund) | 300 |
| 9 | Library Fee | 390 |
| 10 | Magazine fees | 150 |
| 11 | PS.A.F. (Annual) | 60 |
| 12 | Student Union Fee (Annual) | 250 |
| 13 | Youth Festival fee | 10 |
| 14 | Exam fee (Annually) | 2880 |
| 15 | Utility Service | 450 |
| | TOTAL | 9730 |

Sub - Geological Sc.

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|-------------------------------------|---------------|
| 1 | Admission fee (Annual) | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Field Work fee | 1320 |
| 4 | Game fee | 330 |
| 5 | Identity Card Fees (Annual) | 100 |
| 6 | Laboratory Caution Money | 300 |
| 7 | Laboratory fee | 660 |
| 8 | Library Card Fee | 100 |
| 9 | Library Caution Money (Full Course) | 300 |
| 10 | Library Fee | 390 |
| 11 | Magazine fees | 150 |
| 12 | P.S.A.F. (Full Course) | 60 |

| | | |
|----|----------------------------|--------------|
| 13 | Student Union Fee (Annual) | 250 |
| 14 | Youth Festival fee | 10 |
| 15 | Exam fee (Annually) | 2880 |
| 16 | Utility Service | 450 |
| | TOTAL | 11050 |

Sub - Env. Sc.

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|-------------------------------------|---------------|
| 1 | Admission fee (Annual) | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Field Work fee | 1320 |
| 4 | Game fee | 330 |
| 5 | Identity Card Fees (Annual) | 100 |
| 6 | Laboratory Caution Money | 300 |
| 7 | Laboratory fee | 660 |
| 8 | Library Card Fee | 100 |
| 9 | Library Caution Money (Full Course) | 300 |
| 10 | Library Fee | 390 |
| 11 | Magazine fees | 150 |
| 12 | P.S.A.F. (Full Course) | 60 |
| 13 | Student Union Fee (Annual) | 250 |
| 14 | Youth Festival fee | 10 |
| 15 | Exam fee (Annually) | 2880 |
| 16 | Utility Service | 450 |
| | TOTAL | 11050 |

Sub - Physics

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|-------------------------------------|---------------|
| 1 | Admission fee (Annual) | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Game fee (Annual) | 330 |
| 4 | Identity Card Fees (Full Course) | 100 |
| 5 | Laboratory Admission fee | 660 |
| 6 | Laboratory Caution Money | 300 |
| 7 | Library Card Fee (Annual) | 100 |
| 8 | Library Caution Money (Full Course) | 300 |
| 9 | Library Fee | 390 |
| 10 | Magazine fees (Annual) | 150 |
| 11 | P.S.A.F. (Annual) | 60 |
| 12 | Student Union Fee (Annual) | 250 |
| 13 | Youth Festival fee | 10 |
| 14 | Exam fee (Annually) | 2880 |
| 15 | Utility Service | 450 |
| | TOTAL | 9730 |

Sub - Mathematics

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|-----------------------------|---------------|
| 1 | Admission fee (Annual) | 450 |
| 2 | Course fee (Annual) | 3300 |
| 3 | Identity Card Fees (Annual) | 100 |
| 4 | Library Card Fee | 100 |

| | | |
|----|--------------------------------|-------------|
| 5 | Library Caution Money (Refund) | 300 |
| 6 | Library Fee | 390 |
| 7 | Magazine fees | 150 |
| 8 | P.S.A.R (Annual) | 60 |
| 9 | Student Union Fee (Annual) | 250 |
| 10 | Game fee | 330 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| | TOTAL | 8000 |

Sub - Instrumentation

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|--------------------------------|---------------|
| 1 | Admission fee (Annual) | 3300 |
| 2 | Course Fees (Annual) | 7920 |
| 3 | Field Work fee | 1320 |
| 4 | Game fee | 330 |
| 5 | Identity Card Fees (Annual) | 100 |
| 6 | Laboratory Caution Money | 300 |
| 7 | Laboratory fee | 1100 |
| 8 | Library Card Fee | 100 |
| 9 | Library Caution Money (Refund) | 300 |
| 10 | Library Fee | 770 |
| 11 | Magazine fees | 150 |
| 12 | P.S.A.F. Annual | 60 |
| 13 | Student Union Fee (Annual) | 250 |
| 14 | Youth Festival fee | 10 |
| 15 | Exam fee (Annually) | 2880 |
| 16 | Utility Service | 450 |
| | TOTAL | 19340 |

Sub - Zoology

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|-------------------------------------|---------------|
| 1 | Admission fee (Annual) | 450 |
| 2 | Course Fees (Annual) | 3300 |
| 3 | Field Work fee | 1320 |
| 4 | Game fee | 330 |
| 5 | Identity Card Fees (Full Course) | 100 |
| 6 | Laboratory fee (Annual) | 660 |
| 7 | Library Card Fee | 100 |
| 8 | Library Caution Money (Full Course) | 300 |
| 9 | Library Caution Money (Refund) | 300 |
| 10 | Library Fee (Annual) | 390 |
| 11 | Magazine fees (Annual) | 150 |
| 12 | P.S.A.F (Annual) | 60 |
| 13 | Student Union Fee (Annual) | 250 |
| 14 | Youth Festival fee | 10 |
| 15 | Exam fee (Annually) | 2860 |
| 16 | Utility Service | 450 |
| | TOTAL | 11050 |

Sub - Statistics

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|----------------------------------|---------------|
| 1 | Admission fee (Annual) | 450 |
| 2 | Course Fees (Annual) | 3300 |
| 3 | Field Work fee | 1320 |
| 4 | Game fee | 330 |
| 5 | Identity Card Fees (Full Course) | 100 |
| 6 | Laboratory Caution Money | 600 |
| 7 | Laboratory fee (Annual) | 330 |
| 8 | Library Card Fee | 100 |
| 9 | Library Caution Money (Refund) | 300 |
| 10 | Library Fee (Annual) | 390 |
| 11 | Magazine fees (Annual) | 150 |
| 12 | P.S.A.F. (Annual) | 60 |
| 13 | Student Union Fee (Annual) | 250 |
| 14 | Youth Festival fee | 10 |
| 15 | Exam fee (Annually) | 2880 |
| 16 | Utility Service | 450 |
| | TOTAL | 11020 |

Sub - Information Technology

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|--------------------------------|---------------|
| 1 | Admission fee (Annual) | 3300 |
| 2 | Course Fees (Annual) | 13200 |
| 3 | Game fee | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Laboratory Caution Money | 300 |
| 6 | Laboratory fee | 1100 |
| 7 | Library Card Fee | 100 |
| 8 | Library Caution Money (Refund) | 300 |
| 9 | Library Fee | 770 |
| 10 | Magazine fees | 150 |
| 11 | P.S.A.F. (Annual) | 60 |
| 12 | Student Union Fee (Annual) | 250 |
| 13 | Youth Festival fee | 10 |
| 14 | Exam fee (Annually) | 2110 |
| 15 | Utility Service | 450 |
| | TOTAL | 22530 |

Sub - MBA

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|-------------------------------------|---------------|
| 1 | Admission fee (Annual) | 2440 |
| 2 | Course Fees (Annual) | 27500 |
| 3 | Field Work Fee | 2640 |
| 4 | Game fee | 280 |
| 5 | Identity Card Fees (Annual) | 60 |
| 6 | Library Card Fee (Annual) | 60 |
| 7 | Library Caution Money (Full Course) | 300 |

| | | |
|----|----------------------------|--------------|
| 8 | Library Fee (Annual) | 660 |
| 9 | Magazine fees | 150 |
| 10 | Other Fee | 1100 |
| 11 | P.S.A.F. (Annual) | 60 |
| 12 | Student Union Fee (Annual) | 250 |
| 13 | Youth Festival fee | 10 |
| 14 | Exam fee (Annually) | 2530 |
| 15 | Utility Service | 450 |
| | TOTAL | 38490 |

Sub - LLM

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|-------------------------------------|---------------|
| 1 | Admission fee (Annual) | 2750 |
| 2 | Course Fees (Annual) | 7920 |
| 3 | Game fee | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fee | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee | 390 |
| 8 | Magazine fees (Annual) | 150 |
| 9 | Other Fee | 330 |
| 10 | P.S.A.F. (Annual) | 60 |
| 11 | Student Union Fee (Annual) | 250 |
| 12 | Youth Festival fee | 10 |
| 13 | Exam fee (Annually) | 2110 |
| 14 | Utility Service | 450 |
| | TOTAL | 15250 |

Sub - M.L.I. Sc.

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|-------------------------------------|---------------|
| 1 | Admission fee (Annual) | 2640 |
| 2 | Center Fees (Annual) | 550 |
| 3 | Course Fees (Annual) | 6600 |
| 4 | Exam From Fee (Annual) | 20 |
| 5 | Game fee (Annual) | 330 |
| 6 | Identity Card Fees (Full Course) | 100 |
| 7 | Laboratory Admission Fee | 880 |
| 8 | Laboratory Caution Money | 300 |
| 9 | Library Card Fee | 100 |
| 10 | Library Caution Money (Full Course) | 300 |
| 11 | Library Fee | 770 |
| 12 | Magazine fees (Annual) | 150 |
| 13 | Mark Sheet Fee (Annual) | 330 |
| 14 | P.S.A.F. (Annual) | 60 |
| 15 | Practical Fee (Annual) | 390 |
| 16 | Student Union Fee (Annual) | 250 |
| 17 | Youth Festival fee | 10 |
| 18 | Exam fee (Annually) | 1980 |
| 19 | Utility Service | 450 |
| | TOTAL | 16210 |

Sub - M. Com.

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|-------------------------------------|---------------|
| 1 | Admission fee (Annual) | 450 |
| 2 | Course Fees (Annual) | 3300 |
| 3 | Game fee (Annual) | 330 |
| 4 | Identity Card Fees (Annual) | 100 |
| 5 | Library Card Fee | 100 |
| 6 | Library Caution Money (Full Course) | 300 |
| 7 | Library Fee (Annual) | 390 |
| 8 | Magazine fees (Annual) | 150 |
| 9 | P.S.A.F. (Annual) | 60 |
| 10 | Student Union Fee (Annual) | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam fee (Annually) | 2110 |
| 13 | Utility Service | 450 |
| | TOTAL | 8000 |

Sub - Electronic Sc.

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|--------------------------------|---------------|
| 1 | Admission fee (Annual) | 3300 |
| 2 | Course Fees (Annual) | 7920 |
| 3 | Field Work Fee | 1320 |
| 4 | Game fee | 330 |
| 5 | Identity Card Fees (Annual) | 100 |
| 6 | Laboratory Caution Money | 300 |
| 7 | Laboratory Fee | 1100 |
| 8 | Library Card Fee | 100 |
| 9 | Library Caution Money (Refund) | 300 |
| 10 | Library Fee | 770 |
| 11 | Magazine fees | 150 |
| 12 | PS.A.F. (Annual) | 60 |
| 13 | Student Union Fee (Annual) | 250 |
| 14 | Youth Festival fee | 10 |
| 15 | Exam fee (Annually) | 2880 |
| 16 | Utility Service | 450 |
| | TOTAL | 19340 |

Sub - LL.B. (Three- years) 1st and 2nd Semester

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|--|---------------|
| 1 | Admission fee (1st Semester) | 1100 |
| 2 | Course Fee | 4620 |
| 3 | Library fee | 1320 |
| 4 | Library Caution fee (Full Course) | 550 |
| 5 | Library Card fee (Full Course) | 130 |
| 6 | Identity Card Fee (Full Course) | 130 |
| 7 | Game fee | 440 |
| 8 | Legal Camp fee (intermediate students) | 2200 |

| | | |
|----|--------------------|--------------|
| 9 | Student Union fee | 250 |
| 10 | Magazine fee | 250 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam. fee | 2330 |
| 13 | Utility Service | 450 |
| | TOTAL | 13780 |

Sub - LL.B. (Three- years) 3rd and 4th Semester

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|------------------------------|---------------|
| 1 | Admission fee (3rd Semester) | 1100 |
| 2 | Course Fee | 4620 |
| 3 | Library fee | 1650 |
| 4 | Game fee | 440 |
| 5 | Student Union fee | 250 |
| 6 | Magazine fee | 250 |
| 7 | Youth Festival fee | 10 |
| 8 | Exam. fee | 2330 |
| 9 | Utility Service | 450 |
| | TOTAL | 11100 |

Sub - LL.B. (Three- years) 5th and 6th Semester

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|------------------------------|---------------|
| 1 | Admission fee (5th Semester) | 1100 |
| 2 | Course Fee | 5280 |
| 3 | Library fee | 1650 |
| 4 | Game fee | 440 |
| 5 | Student Union fee | 250 |
| 6 | Magazine fee | 250 |
| 7 | Youth Festival fee | 10 |
| 8 | Exam. fee | 2440 |
| 9 | Utility Service | 450 |
| | TOTAL | 11870 |

| Sub - B.A. LL.B. (Five - years) | | |
|---------------------------------|---|---------------|
| Sl. No. | Particulars of Fees | Amount in Rs. |
| 1 | Admission fee for the 1st. Sem. (for subsequent semesters,@ Rs.1100/- per semester) | 1870 |
| 2 | Course Fee (half - yearly) per semester | 9900 |
| 3 | Library fee | 1320 |
| 4 | Library Card fee (Full Course) | 130 |
| 5 | Library Caution Money | 550 |
| 6 | Identity Card fee (Full Course) | 130 |
| 7 | Game fee | 440 |
| 8 | Student Union fee | 350 |
| 9 | Magazine fee | 330 |
| 10 | Legal Camp fee | 2200 |
| 11 | Youth Festival fee | 10 |
| 12 | Exam. fee | 730 |
| 13 | Utility Service | 450 |
| | TOTAL | 18410 |

Sub - Hostel Fee

| Sl. No. | Particulars of Fees | Amount in Rs. |
|---------|------------------------------------|---------------|
| 1 | Hostel Admission fee | 390 |
| 2 | Seat Rent (Single Seated) | 1100 |
| 3 | Seat Rent (Others) | 660 |
| 4 | Electricity fee (Single Seated) | 1100 |
| 5 | Electricity fee (Others) | 770 |
| 6 | Furniture | 280 |
| 7 | Utensil | 280 |
| 8 | Medical fee | 100 |
| 9 | Identity Card (Full Course) | 100 |
| 10 | Hostel Caution Money (Full Course) | 660 |
| 11 | Hostel Transfer fee | 250 |
| 12 | Youth Festival fee | 10 |
| | TOTAL | 5700 |



SEMESTER SYSTEM AND CREDIT GRADING SYSTEM

One of the major academic reforms undertaken by Gauhati University since 2000-2001 has been the introduction of the Semester System at the Post Graduate level, and the continuous internal evaluation system. Syllabi of the Post Graduate courses have been revised from time to time incorporating many new innovative and contemporary subjects. The course curriculum has been designed to put emphasis on the overall development of the students with more stress on the development of the skills, positive attitude, good habit formation and value education. Moreover, the course curriculum is multi- and interdisciplinary in approach, and has been designed, as far as possible in a modular form, so as to combine in a different way to offer programme flexibility, options to the students, and to help the departments so that they can slowly switch over to the credit-based system. The use of computers and modern teaching technology in the classroom instruction are available in almost all the Departments of the University.

The following guidelines set out various aspects relating to Evaluation under the Semester System.

Evaluation under the Semester System

1. A Post Graduate Course shall be of four Semesters covering two Calendar Years. The schedule for the Semester System shall be as per the Academic Calendar.
2. Students' performance is monitored throughout the Semester by continuous assessment in the theory and practical courses. Evaluation of the students' performance in each of the theory and practical paper will be based on the following :
Internal Evaluation : 20 % Marks
External Evaluation : 80 % Marks
3. Internal evaluation should be based on two sessional examinations, home assignments, seminars and library work in each Semester.
4. External evaluation should be through a final examination at the end of the Semester.
5. The pass marks in each theory paper is 30% and that in each practical paper is 40%. However, in order to clear a Semester the student must get a combined aggregate of 45% marks in the subject in each Semester examination.
6. In each paper, students must secure pass marks in both the internal as well as the external evaluation separately.
7. A student who could not appear or failed in any Semester examination will be allowed to clear the same as follows:
(a) First Semester with the regular Third Semester examination.
(b) Second Semester with the regular Fourth Semester examination.
8. A student may be allowed to repeat any one of the theory papers in the First and Second Semester, and may be allowed for **'betterment'** of marks in one paper in the Third Semester, provided the student secures less than 55 % marks in that paper.
9. No **'repeat'** / **'betterment'** shall be allowed in the practical examinations in any Semester and also in any examination in the Fourth Semester.
10. In the Fourth Semester if a Project Work or Dissertation or Advanced Level Practical examination is evaluated and found to be satisfactory, the student need not 'repeat' the paper even if he/she- fails in the Fourth Semester examination. In order to clear the semester he/she need only to reappear in the theory papers in the next chance.
11. A student who has not cleared any semester examination and also for students who have opted for **'repeat'** / **'betterment'**, the Fourth Semester results will be withheld until all the backlogs are cleared.
12. A student must pass all his Semester examinations, including 'repeat' and 'betterment' chances, within four years from the date of admission to the First Semester course. A student will get a maximum of three chances to clear a particular Semester.
13. In case of any dispute regarding evaluation or unforeseen events the matter may be placed in the Departmental Advisory Committee and Committee of Courses and Studies (RG.) for an amicable settlement.
14. Since the Semester System involves continuous assessment, there would be no scope for a student to appear as a private candidate in any subject.
15. Under the present Regulations for the Semester System, examination reforms are explicitly introduced. In order to implement these more effectively, the Departments are given academic and financial autonomy. Complete academic freedom is envisaged for the faculty members of each Department.
16. For any matter not covered under this Regulation for Semester System, the existing University Rules and the Gauhati University Act 1949 (as amended till date) should be applicable.
17. PG Students who are awarded upto Grade 'C' in a paper will be allowed to appear in the betterment scheme.

Attendance : Minimum Requirement :
75% in each semester

THE CHOICE BASED CREDIT SYSTEM INTRODUCED IN GU

From this academic year (2016-17), Gauhati University is introducing a newly structured CBCS (Choice Based Credit System) in the semester system. CBCS offers several benefits such as flexibility in curriculum design, choices of courses from other disciplines, development of additional skills and paced learning.

DEGREE & DIPLOMA PROGRAMMES UNDER CBCS

A post graduate degree programme under CBCS comprises four semesters covering two academic years, while a post graduate diploma programme comprises two semesters covering one academic year. Every semester carries a minimum of 24 graded credits translated into a minimum of 28 contact hours per week for a minimum of 15 weeks (equivalent to 90 days). The 24 credits will be accounted for in the calculation of the Semester Grade Point Average (SGPA) at the end of a semester, and the Cumulative Grade Point Average (CGPA) at the end of the four semester programme. In addition to the minimum 24 credits per semester, there may be optional Value Added courses that are offered by departments to add value to a student's existing knowledge base / behavior / development of personality.

COURSES

- Core Courses** : These are compulsory subject specific courses in all semesters for all students.
- Elective Courses** : These are a pool of intradepartmental courses within the discipline offered ideally in the second & third semesters/ third & fourth semesters, for students of the same department/institute/centre to acquire specialized or advanced knowledge or skills in an area supportive to the main discipline.
- Open Courses** : These are courses offered by a department/institute/centre ideally in the second & third semesters/ third & fourth semesters that may be taken by students of other disciplines to give them an exposure to a subject, or to develop their proficiency/ skill in that discipline or domain.
- Value Added Courses** : These are optional courses offered by a department/institute/centre in all semesters to students of their own discipline or to students of other disciplines to give them an exposure to a subject related to the core discipline, or to develop their proficiency and skills in that discipline or domain. The credits of Value Added courses will not be included in the calculation of the SGPA or the CGPA, but will be recorded in the Grade Card as 'Satisfactory' or 'Unsatisfactory'. A certificate will be issued against the value-added course completed satisfactorily by the student.

CREDITS

In CBCS, Credits are defined as the

- quantum of contents/ syllabus prescribed for a course, and
 - hours of instruction required per week.
- 1 Credit = (i) 1 lecture (L) = 1 contact hour per week, or
 (ii) 1 tutorial (T) = 1 contact hour per week, or
 (iii) 1 practical (P) = 2 contact hours per week

CREDITS AND ATTENDANCE

- To be awarded credit in Core, Elective, Open and Value-added courses, students must have 100% attendance.
- For attendance below 100 % but equal /above 75 %, the

defaulting student may have to compensate the shortfall in attendance through additional academic activities given by the department.

- For attendance below 75 %, a student will not be allowed to sit for the end semester examination and will have to discontinue the programme.

EVALUATION AND GRADING

(a) EVALUATION :

- Internal Assessment (IA)** comprising mid-semester sessional examinations and other evaluation tools such as class assignments, mini projects, term papers etc.
- End-Semester Examination (ESE)**, of three hours duration covering the whole syllabus of the course.

- GRADING** : A candidate who does not pass in any course(s) in the ESE, or is unable to appear in the ESE, other conditions being fulfilled, will be awarded an 'F' (Fail) grade. Such a student will be permitted to appear in the failed course(s) or re-appear in the entire ESE, in the subsequent ESE to be held in the following academic year. A student shall get a maximum of three consecutive chances (whether appeared or not) to clear a particular course and the examination.

The total grades in a semester shall be indicated by a Semester Grade Point Average (SGPA) and the continuous grades from the first semester onwards shall be indicated by a Cumulative Grade Point Average (CGPA). The In semester examinations grades (i.e. the SGPA obtained in the first, second and third semesters) shall be carried over for calculating the CGPA of the programme.

(c) GRADE SHEET : The Grade Card will contain the following:

- The credits earned for each course registered for that semester.
- The performance in each course indicated by the letter Grade and marks scored by a student in that course.
- The Honour point for each course
- Semester Grade Point Average (SGPA) and
- The Cumulative Grade Point Average (CGPA).
- The CGPA of the topper of the batch will be indicated in all mark sheets to indicate the relative position of the student in the class.

The following grading system shall be applied to indicate the performances of students in terms of letter grade and grade points:

| Percentage of marks obtained in a course in a semester (IA + ESE) | Letter Grade | Grade Point | Result |
|---|-------------------|-------------|--------|
| 90-100* | O (Outstanding) | 10 | |
| 80-90 | A+ (Excellent) | 9 | |
| 70-80 | A (Very good) | 8 | |
| 60-70 | B+ (Good) | 7 | |
| 50-60 | B (Above average) | 6 | |
| 40-50 | C (Average) | 5 | |
| 30-40 | P (Pass) | 4 | |
| Below 30 | F (Fail) | 0 | Fail |

THE FACULTIES : A PROFILE

(A) Faculty of Arts

Dean : Prof. Amalendu Chakrabarty

Departments :

1. Arabic
2. Assamese
3. Bengali
4. Bodo
5. Disabilities Studies
6. Economics
7. Education
8. English
9. English Language Teaching
10. Foreign Languages
11. Hindi
12. History
13. Linguistics
14. Library and Information Science
15. Modern Indian Languages and Comparative Literature
16. Persian
17. Philosophy
18. Political Science
19. Psychology
20. Sanskrit
21. Sociology
22. Women's Studies

(B) Faculty of Science

Dean : Prof. Jatin Kalita

Departments :

1. Anthropology
2. Botany
3. Chemistry

4. Environmental Science
5. Geography
6. Geological Sciences
7. Mathematics
8. Physics
9. Statistics
10. Zoology

(C) Faculty of Technology

Dean : Prof. R. Bharali

Departments / Institute :

1. Biotechnology
2. Computer Science
3. Electronics and Communication Technology
4. Instrumentation and USIC
5. Gauhati University Institute of Science & Technology

(d) Faculty of Fine Arts

Dean : Prof. M.P. Bezbaruah

Departments :

1. Communication and Journalism
2. Folklore Research
3. GU Institute of North East India Studies

(e) Faculty of Commerce

Dean : Prof. Bhaskar Jyoti Bora

Department :

1. Commerce

(f) Faculty of Management

Dean : Prof. Nissar Ahmed Barua

Department :

1. Business Administration

(g) Faculty of Law

Dean : Prof. R. C. Borpatragohain

Department :

1. Law



Gauhati University Prospectus 2016-2017



The Faculties, Institutes and Others

ARABIC

The Department

Arabic is a very rich and popular language. It occupies an international status, and its importance is found in every aspect of intellectual, cultural and trade relations. In the present scenario of international trade relation between India and Arab Countries, the demand for Arabic speaking people has greatly increased. Moreover, according to a survey recently published in the Times of India, more than 50,000 people have Arabic as their mother tongue in India itself. Hence, the Department of Arabic of Gauhati University has given much importance on the functional aspects of the subject. Besides this, one paper in Persian has been introduced in the First and second Semesters in Arabic as an interdisciplinary course.

Since its inception in 1969, the Department of Arabic has been successfully disseminating teaching, learning and research in Arabic language and Literature both classical and modern. Much care and measures have been taken for the application of creative methods and using modern technical aids to motivate the learners to learn the language efficiently and to acquire the knowledge and skill in the area, so that they can have better placement in different capacities in the country as well as abroad.

Profile

| | |
|-----------------------------|--|
| Year of Establishment | : 1969 |
| Head of the Department | : Dr. Abdul Majeed Nadwi |
| Courses Offered | : M.A. in Arabic Ph.D. |
| Intake | : M.A. 60 |
| Number of PG Students | : 120 |
| Number of Research Scholars | : 41 |
| Location | : New Arts Building, Right Wing, First floor |
| Contact | : The Head Department of Arabic Tel : 9864167741 |
| E-mail | : drmajeednadwi@gmail.com |
| Website | : www.gauhati.ac.in/arabic |

| | |
|-----------------|---|
| Fourth Semester | Literary Criticism, History of Arabic Literature-Modern, Functional Arabic - IV, Arabic Drama, Literary History of the Arabs in Spain & Egypt in Medieval Period and one of the following option: (a) Computer application, latest software packages (b) Dissertation |
|-----------------|---|

Faculty : Teaching and Research Interests

Associate Professor

Dr. Abdul Majeed Nadwi, M.A. (AR & URDU), MM. Ph.D. (LKU)
[Head of the Department]

Assistant Professor

Mizazur Rahman Talukdar, M.M. (Assam), M.A. M.Phil. (JNU)
Dr. Abdul Kalam Choudhury, M.A. (GU), M.M. (Assam), PGDTA, M.Phil., Ph.D. (EFLU)
Dr. Raizuddin Alom, M.A. (GU), PGDTA, M.Phil., Ph.D. (EFLU)

Guest Faculty

Dr. Rafiqul Islam, M.A. (GU), M.PHIL., Ph.D. (AUS)
Dr. Hafiz Md. Nazrul Islam, M.A., Ph.D. (GU)
Abdul Awwal Paramanik, M.A., (GU)

Part-time Lecturer

Mrs. Safirun Choudhury, M.A. (Persian) (GU)

NET/JRF

Coaching and support is offered to students for CBSE-NET/JRF examination. Eleven students have qualified in NET.

Facilities

The Departmental library has a collection of about 650 books and 10 journals. In addition, it has an LCD projector, twelve computers with latest software packages, a photocopying machine and other instruments for the benefit of the students.

Course Structure

(a) Semester-wise distribution of marks

| | | |
|-----------------|---|------|
| First Semester | = | 400 |
| Second Semester | = | 400 |
| Third Semester | = | 400 |
| Fourth Semester | = | 400 |
| Total Marks | = | 1600 |

(b) Semester-wise courses of study in brief

| | |
|-----------------|--|
| First Semester | Classical Poetry & Prose, Linguistics and Philology, History of Islam, Functional Arabic-I & Elementary Persian - I |
| Second Semester | Early Islamic Umayyads & Abbasid Poetry, Rhetoric Prosody, Indo-Arab Literature, Applied Grammar, Functional Arabic - II & Elementary Persian - II |
| Third Semester | Modern Poetry & Prose, History of Arabic Literature, Essay Composition etc., Functional Arabic - III |

ASSAMESE

The Department

The aim of the Department is to give students a comprehensive idea of the Assamese language, literature and culture in particular and North East India in general. The students are expected to get thoroughly acquainted with the rich heritage of Assamese Language, literature and culture.

Simultaneously, recent developments and trends in the fields of Assamese language and literature will be taken under the orbit of the study. The Department has expanded the horizon of study by introducing disciplines like Tibeto-Burman language and Linguistics Dialectology and Dialects of Assamese Language, Translation Studies, Comparative Studies. Twentieth Century Literary Theory/Movements and others.

The Department has received grants from UGC under the Special Assistance Programme. One phase of 5 years has already been completed under this scheme and the next phase for another 5 years is going on. Seminars, workshops, special lectures by visiting fellows and other academic activities are regularly held under this programme.

The Department of Assamese completed sixty seven years of its existence in 2015. It has a glorious past, Luminaries like Bani Kanta Kakati, Birinchi Kumar Barua, Maheswar Neog, Satyendra Nath Sarma, Rajanikanta Sarma, Golok Chandra Goswami, Upendra Nath Goswami, Nirmal Prabha Bordoloi, Sailen Bharali, Govinda Prasad Sarma, Anima Dutta, Parikshit Hazarika, Bhaba Prasad Chaliha, Nagen Thakur and Lilabati Saikia Bora were associated with the Department as either students or teachers or both.

The Department moved to the Credit Grading System in 2009. The syllabus has been updated from time to time in the light of changing trends in the area of language, literature and culture. The Department will move to CBCS system from 2016-17. It will introduce one value added paper each in Semester I and II and one open paper in Semester III. The rest of the papers will be either core or elective papers.

Profile

Year of Establishment : 1948

Head of the

Department : Prof. Taranee Deka, Ph.D.

Courses Offered : M.A., M.Phil., Ph.D.*

Intake : M.A. 88

M.Phil. 15

Ph.D : as per guides availability

**Location : New Academic Building
near the University Market/
Hospital**

**Contact : The Head
Department of Assamese
Gauhati University
Guwahati - 781 014
Tel : 0361-250274,
9854841386 (M)**

E-mail : assamese@gauhati.ac.in

Website : www.gauhati.ac.in/assamese

Tibeto Burman Language and Linguistics, Tribal Culture and Folklore Studies.

Taranee Deka, M.A. in English (GAU), M.A. in Assamese (GAU), M.Ed. (Annamalai University), Ph.D. (GAU) (**Head of the Department**)

Western Literature, Modern Assamese Literature Criticism.

Bibha Bharali, M.A. (GAU), Ph.D. (GAU)

Assamese Language and Linguistics, Dialectology

Kanak Chandra Saharia, M.A. (GAU), Ph.D. (GAU)

Cultural History of Assam, Early Assamese Literature.

Associate Professors :

Kamaluddin Ahmed, M.A. (GAU), Ph.D. (GAU)

Modern Assamese Literature, Literary Theory and Criticism, Translation Studies, TS Eliot.

Pranita Devi, M.A. (GAU), Ph.D. (GAU)

Assamese Language, NE Languages and Linguistics

Bimal Mazumdar, M.A. (GAU), Ph.D. (GAU)

Early Assamese Literature, NE Studies, Sankardeva Studies

Prafulla Kumar Nath, M.A. (GAU), M.Ed. (GAU) Ph.D. (GAU)

Early Assamese Literature, Comparative Indian Literature

Assistant Professors :

Rekha Rani Devi, M.A. (GAU), Ph.D. (GAU.),

Modern Assamese Literature

Banani Chakravarty, M.A. (GAU), M.Phil. (GAU) Ph.D. (GAU)

Assamese Language, Socio-Linguistics, Social History of Languages and Nineteenth Century Assamese Literature.

Pranjal Sharma Bashishtha, M.A. in English (BHU), M.A. in

Assamese (GAU), Ph.D. (GAU)

Faculty : Teaching and Research Interests

Professors :

Dipti Phukan Patgiri, M.A. (DU), Ph.D. (D.U.), D.Litt. (Utkal University)

Assamese Language and Linguistics, Comparative Study of Assamese and Oriya Language

Malinee Goswami, M.A. in Sanskrit (GAU), Ph.D. (GAU)

Sanskrit Literature and Textual Criticism

Upen Rabha Hakacham M.A. (GAU), Ph.D. (GAU)

Western Literature, Critical Theory, Postcolonial Drama, Modern Assamese Literature, and Translation.

Dipamoni Haloi, M.A. (GAU), Ph.D. (GAU)

Assamese Language and Linguistics

Centre for Sankardeva Studies

Centre for Sankardeva Studies was established in 2006 under the Department of Assamese. Gauhati University as and institute of research and for promotion of studies on the works and contributions of Saint Sankardeva and the Neo-Vaisnavite movement of Assam. Presently, Dr. Prafulla Kumar Nath is the Coordinator and Prof. Malinee Goswami is the Chair-Person of the Centre.

Societies

The Asamiya Sahitya Chora actively engages itself in co-curricular activities, lectures, poetry reading sessions, workshops and student activities at different levels.

The Department also has a Gaveshak Mocha, which organizes a weekly in-house seminar and brings out a yearly journal.

The Semester IV students of the Department bring out a yearly publication titled *Janamanas*.

Endowment Lectures

The Department holds the Banikanta Kakati Memorial Lecture biennially. It has been organizing this lecture in collaboration with Barpeta Sahitya Sabha, Barpeta, Assam, since 2002.

Facilities

The Department Library, recently renamed as Banikanta Kakati Library, has more than 6000 books that are accessible for students and teachers of the Department. The Department has a Speech Laboratory that enables students to make themselves familiar with the practical aspects of phonetics.

SYLLABUS STRUCTURE UNDER CBCS

First Semester:

| Course Code | Course Title | Course Type | Credit |
|-------------------------------|--|-------------|--------|
| ASM 1016 | Rise and Development of the Assamese Language | Core | 6 |
| ASM 1026 | History of Assamese Literature: 1889-2015 | Core | 6 |
| ASM 1036 | Study of Culture in Assam | Core | 6 |
| ASM 1046 | History of Sanskrit Literature: History, Features and Genres | Core | 6 |
| ASM 1054 | Creative Writing | Value Added | 4 |
| Total Credit: 24+4= 28 | | | |

Second Semester:

| Course Code | Course Title | Course Type | Credit |
|-------------------------------|---|-------------|--------|
| ASM 2016 | Assamese Poetry 1869-2015 | Core | 6 |
| ASM 2026 | Assamese Prose: 1848-2015 | Core | 6 |
| ASM 2036 | Assamese Drama and Performance: 1857-2015 | Core | 6 |
| ASM 2046 | Indian Criticism | Core | 6 |
| ASM 2054 | Editing | Value Added | 4 |
| Total Credit: 24+4= 28 | | | |

Third Semester:

Students shall choose one Elective Course from ASM 3036, ASM 3046, ASM 3056, ASM 3066 and ASM 3076, and another from ASM 3086, ASM 3096, ASM 3106, ASM 3116, and ASM 3126. The Course ASM 3126 will also be Elective Open:

| Course Code | Course Title | Course Type | Credit |
|-------------------------|---|-------------------------|--------|
| ASM 3016 | Assamese Novel: 1890-2015 | Core | 6 |
| ASM 3026 | Translation: Theory and Practice | Core | 6 |
| ASM 3036 | World Literature | Elective | 6 |
| ASM 3046 | Ethnic Literature of North-East India | Elective | 6 |
| ASM 3056 | Sanskrit Texts | Elective | 6 |
| ASM 3066 | Phonetics | Elective | 6 |
| ASM 3076 | Contact Languages of North-East India | Elective | 6 |
| ASM 3086 | Modern Indian Literature | Elective | 6 |
| ASM 3096 | Assamese Vaisnavite, Saiva and Sakta Literature | Elective | 6 |
| ASM 3106 | Structure of the Assamese Language | Elective | 6 |
| ASM 3116 | Varieties of the Assamese Language | Elective | 6 |
| ASM 3126 | Sankardeva Studies | Elective/ Elective Open | 6 |
| Total Credit: 24 | | | |

Fourth Semester:

Students shall choose one Elective Course from ASM 4036, ASM 4046, ASM 4056, ASM 4066 and ASM 4076, and another from ASM 4086, ASM 4096, ASM 4106, ASM 4116, ASM 4126, and ASM 4136. The Course ASM 4136 will also be Elective Open:

| Course Code | Course Title | Course Type | Credit |
|----------------------|--|----------------------------|-----------|
| ASM 4016 | Textual Criticism and Manuscript Reading | Core | 6 |
| ASM 4026 | Applied Linguistics | Core | 6 |
| ASM 4036 | Western Literary Criticism | Elective | 6 |
| ASM 4046 | Assamese Short Story: 1892-2015 | Elective | 6 |
| ASM 4056 | Comparative Studies of Indo- Aryan Languages | Elective | 6 |
| ASM 4066 | Tibeto-Barman Languages of Assam | Elective | 6 |
| ASM 4076 | Aspects of Bilingualism | Elective | 6 |
| ASM 4086 | Peripheral Genres of Assamese Literature | Elective | 6 |
| ASM 4096 | Assamese Criticism | Elective | 6 |
| ASM 4106 | Trends in Linguistics | Elective | 6 |
| ASM 4116 | Language Acquisition | Elective | 6 |
| ASM 4126 | Language Study In Assam | Elective | |
| ASM 4136 | Culture Studies of North East India | Elective/ Elective Open | 6 |
| Total Credit: | | | 24 |

BENGALI

The Department

The Department of Bengali was started in the year 1961 with Prof. Birinchi Kumar Barua, the Head of the Department of Assamese, in its charge. The Department earned its independent status as soon as Dr. Jatindra Mohan Bhattacharyya took over as its Reader and Head.

The Department aims at fostering the latent aesthetic and critical capabilities of students for proper appreciation of the fullest import of Language and literature on the individual and society. Further, it seeks to provide research facilities to scholars interested in undertaking advanced researches on the subject.

Profile

Year of Establishment : 1961

Head of the

Department : Prof. Amalendu Chakrabarty.

Courses Offered : M.A. Bengali, (Group-A and Group-B)

M.Phil.

Ph.D.

Course through IDOL : M.A. Bengali

Intake : M.A. 45

M.Phil. 10

Location : New Arts Building, Right Wing, Ground floor

Contact : The Head
Department of Bengali
Tel : 94353-46359

Website : www.gauhati.ac.in/bengali

SYLLABUS STRUCTURE UNDER CBCS

| FIRST SEMESTER | | | | | |
|-----------------|--|--------------|---------------|----------|--------|
| Paper | Title of the Paper | Lecture hour | Tutorial hour | H/W hour | Credit |
| BEN 1016 | History of Bengali Literature Up to 16 th century | 4 | 1 | 1 | 6 |
| BEN 1026 | History of Bengali Literature (1601-1757) | 4 | 1 | 1 | 6 |
| BEN 1036 | History of Bengali Literature (1758-1972) Part-I | 4 | 1 | 1 | 6 |
| BEN 1046 | History of Bengali Literature (1758-1972) Part-II | 4 | 1 | 1 | 6 |
| BEN 1056 | Old and Medieval Bengali Text | 4 | 1 | 1 | 6 |
| Second Semester | | | | | |
| BEN 2016 | Medieval Bengali Text(Post-Chaitanya Period) | 4 | 1 | 1 | 6 |
| BEN 2026 | Modern Bengali Poetry | 4 | 1 | 1 | 6 |

| BEN 2036 | Modern Bengali Drama | 4 | 1 | 1 | 6 |
|-----------------|---|---|---|---|---|
| BEN 2046 | Modern Bengali Fictional Literature | 4 | 1 | 1 | 6 |
| BEN 2056 | Modern Bengali Non-Fictional Prose | 4 | 1 | 1 | 6 |
| Third Semester | | | | | |
| BEN 3016 | Poetics and Criticism (Indian and Western) | 4 | 1 | 1 | 6 |
| BEN 3026 | Medieval Bengali Literature | 4 | 1 | 1 | 6 |
| BEN 3036 | Generic Characteristics and Types of Literature | 4 | 1 | 1 | 6 |
| BEN 3046 | Rabindranath (Special Study) -I | 4 | 1 | 1 | 6 |
| BEN 3056 | Rabindranath (Special Study) -II | 4 | 1 | 1 | 6 |
| Fourth Semester | | | | | |
| BEN 4016 | M. I. A. Text and Grammar | 4 | 1 | 1 | 6 |
| BEN 4026 | History and Growth of the Bengali Language | 4 | 1 | 1 | 6 |
| BEN 4036 | Lokasahitya | 4 | 1 | 1 | 6 |
| BEN 4046 | (A) Women's Writings (B) Seminar paper | 4 | 1 | 1 | 6 |
| BEN 4056 | Associate Indian Literature: Modern Assamese Literature[E] or | | | | |
| BEN 4066 | Post-Independence Bengali Literature[E] | 4 | 1 | 1 | 6 |

Faculty : Teaching and Research Interests Professor

Amalendu Chakrabarty, M.A. (GAU) M.A. (GAU) Ph.D. (GAU), DIPLOMA IN PERSIAN (GAU)

[Head of the Department]

Bhakti Literature and Philosophy, M.I.A. Literature and Grammar, Indian Poetics

Associate Professor

Tarit Kumar Choudhury, M.A. (JADAV), Ph.D. (GAU)
Drama and Theatre

Binita Rani Das, M.A. (TRIP), Ph.D. (TRIP)
Modern Bengali Fictional Literature

Assistant Professor

Sanjay Bhattacharjee, M.A. (GAU), Ph.D. (GAU)
Modern Bengali Literature

Guest Faculty

Dipak Sen, M.A. (PATNA), Ph.D. (PATNA)
Bengali Grammar and Modern Bengali Literature

Usharanjan Bhattacharya, M.A. (GAU), Ph.D. (GAU)
Tagore Literature & Bengali Novel

Jyotirmoy Sengupta, M.A. (GAU), Ph.D. (ASSAM)
Modern Bengali Fictional Literature

Facilities

The Department Library consists of more than three thousand three hundred books and journals.

BODO

The Department

The Bodo department started in 1995 as a part of the Department of Modern Indian Languages. It became an independent department from the 2006. Since its inception, the department has been taking the initiative to acquaint students in the fields of language, literature and culture in response to the demands of the time.

In addition to imparting knowledge on the Bodos and topics related to them, the Department takes an active interest cater to other related areas that can contribute to the future careers of the students.

Profile

| | |
|--------------------------|---|
| Year of Establishment : | 2006 |
| Head of the Department : | Dr. Bhupen Narzaree |
| Courses Offered : | M.A. (4 semesters) PhD. Six month's certificate Course in Bodo for Non- Bodos |
| Course through IDOL : | M.A. in Bodo |
| Intake : | M.A. 44 |
| Location : | Western side of the G.U. Campus, near Sat-mile. |
| Contact : | The Head Department of Bodo Tel : 9435040444 |

SYLLABUS STRUCTURE UNDER CBCS

Total Marks : 80 + 20 = 100 (each paper)

Each Paper have four units containing 20 marks each units Seminar presentation, Home Assignments, Seasonal Test will carries 5 + 5 + 10 marks respectively.

| Course Code | Course Name | Course Type | CRE |
|----------------------------|---------------------------------------|-------------|-----|
| BOD 1016 | History of Bodo Language & Literature | Core | 6 |
| BOD 1026 | Bodo Poetry (Old Period) | Core | 6 |
| BOD 1036 | Culture : Concept and Theme | Core | 6 |
| BOD 1046 | Structure of Bodo Language | Core | 6 |
| BOD 1054 | Language Teaching | V add | 4 |
| Total Credit : 24 + 4 = 28 | | | |

Second Semester

| Course Code | Course Name | Course Type | CRE |
|----------------------------|---|-------------|-----|
| BOD 2016 | Bodo Poetry (Modern Period) | Core | 6 |
| BOD 2026 | Bodo Drama | Core | 6 |
| BOD 2036 | Fictional & Non Fictional Prose in Bodo | Core | 6 |
| BOD 2046 | Criticism, theory and science | Core | 6 |
| BOD 2054 | Development of Mass Media in Bodo | V add | 4 |
| Total Credit : 24 + 4 = 28 | | | |

Third Semester

| Course Code | Course Name | Course Type | CRE |
|----------------------------|--|-----------------------|-----|
| BOD 3016 | Folk Literature of the Bodos | Core | 6 |
| BOD 3026 | Bodo Culture | Core | 6 |
| BOD 3036 | i. Emerging Trends in Literature ii. Introduction of Language & Linguistics | Elective (any one) | 6 |
| BOD 3046 | Translation Studies | Elective/ Open | 6 |
| BOD 3054 | Infrastructure Culture of NE Region | V add | 4 |
| Total Credit : 24 + 4 = 28 | | | |

Fourth Semester

| Course Code | Course Name | Course Type | CRE |
|----------------------------|--|-----------------------|-----|
| BOD 4016 | Project Work | Core | 6 |
| BOD 4026 | Modern Indian Literature & Bodo Literature | Core | 6 |
| BOD 4036 | i. Identity and Bodo Literature ii. Language Typology and TB Languages NE India | Elective (any one) | 6 |
| BOD 4046 | Traditional Knowledge of the Bodos | Elective/ Open | 6 |
| BOD 4054 | Functional Bodo | V add | 4 |
| Total Credit : 24 + 4 = 28 | | | |

Faculty : Teaching and Research Interests

Bhupen Narzaree, M.A. (GAU), Ph.D. (GAU), (*Head of the Department*)

Literature and Culture

Swarna Prabha Chainary, M.A. (GAU), LL.B. (GAU), Ph.D. (GAU), *Language and Literature*

Guest Faculty : Three

Part-time Faculty : Two

Facilities

The Department has a library containing textbooks and reference books in Bodo, English and Assamese.

NET/JRF

A good number of students have cleared the UGC NET/JRF in every year. Presently the department has 11 research scholars holding JRF under UGC and 2 research scholars holding the Rajiv Gandhi SC/ST Research Scholarship of the UGC.

Employability

Many students of the department have been employed in different educational institutions of the state and other government jobs as well as in mass media and language related projects both within and outside the state.

How to Find us

The building of the Department of Bodo is located on the westernmost side of the Gauhati University Campus.

DISABILITIES STUDIES

The Department

The Department of Disabilities Studies of Gauhati University was established in 2010. Gauhati University is the fourth university in the country to take initiatives for setting up a Department of Disabilities Studies - a new area in the field of Special Education, community mobilization and empowerment of persons with disabilities.

The main aim of the Department is to bridge the gulf between the able and disabled persons, accepting disability as a condition and not as a disease.

Profile

Year of Establishment : 2010

Head of the

Department (i/c) : Prof. Jagat Swargiary

Courses Offered : Six-month PG Certificate
Course in Disabilities Studies
Six-month PG Diploma Course
in Disabilities Studies
Three-Month Certificate
Course in Computer Literacy
for the Differently Abled
Three-month Foundation
Course in Science Education
for the Visually Impaired

Intake : PG Certificate Course 25
PG Diploma Course 25
Certificate Course in
Computer Literacy 10
Foundation Course in Science
Teaching 10

Contact : dstudies2010@gmail.com

- f) Organizing lectures on speech therapy
- g) Interaction with visually impaired teachers
- h) Holding awareness programmes and street meetings
- i) Organizing field study / case study in different places of Assam
- j) Demonstration on special computer software and use of Braille printer by Karishma Enterprise
- k) Organising homage programme for Louis Braille on the occasion of his 203rd birth anniversary
- l) Inauguration of GU-NTPC Foundation ICT Training Centre for persons with disabilities

Faculty : Teaching and Research Interests Professor

Prof. Jagat Swargiary, M.A., M.Phil., Ph.D.

[Head of the Department, i/c]

Assistant Professors (Contractual)

Shyam Sundar Sarma, M.A.(GAU)

Mintu Bhattacharya, MDRA (JNTU), BPT

Placement

At present one of our students is working as the District Programme Officer of IE & ECE under SSA Assam. Two of our students are working as Technical Assistant in the GU-NTPC Foundation ICT Training Centre for Persons with Disabilities.

Facilities

1. Information and Communication Technology (ICT) Training Centre for persons with Disabilities sponsored by NTPC Foundation
2. Special computer facilities including - general printer, Braille printer (Embossing), Zoom-X scanner
3. well-equipped classrooms
4. disability-friendly environment
5. first-aid box
6. wall magazine
7. signature board
8. photo frame.

How to Find us

The Department of Disabilities Studies is located in new building behind faculty house and near to the Deptt. of Education, GU (Ground Floor).

Objectives

- a) to offer post-graduate certificate course in Disabilities Studies
- b) to offer post-graduate diploma in Disabilities Studies
- c) to offer master's degree in Disabilities Studies
- d) to serve as a resource centre for the rehabilitation of differently abled persons
- e) to develop teaching-learning materials for persons with disabilities and other relevant documents for community mobilization
- f) to conduct research work and networking of resources in the Disability Sector
- g) to provide training courses for Master Trainers and in-service teachers in Special Education and rehabilitation of persons with disabilities
- h) to ensure a barrier-free environment in the premises of Gauhati University

Activities

- a) Organizing lectures on barrier-free environment
- b) Interaction with officials of Microsoft
- c) Interaction with Prof. Shiv Jatan Thakur, former member of the Bihar Public Service Commission
- d) Interaction with the Director, Disability Studies, IGNOU
- e) Interaction with the State Consultant, SSA

ECONOMICS

The Department

The Department of Economics is one of the original departments of Gauhati University which was established in 1948. Today as one of the prominent departments in the university it nurtures the following objectives.

- To establish the department as a centre of excellence in teaching and research in the field of Economics in particular and Social Science in general.
- To nurture the finest talents in Economics and capacitate them with high level of professional competence.
- To utilize the pool of human resource in the department in relevant fields outside the department through extension and consultancy services.
- To respond to the demand for business economics professionals through the MBE programme.
- To enhance the relevance and competitiveness of the students through optional value added courses.

Profile

Year of Establishment : 1948

Head of the

Department : Prof. Nissar A. Barua

Courses Offered : M.A./M.Sc. in Economics
M.B.E. (Master in Business Economics) M.Phil., Ph.D.

Course through IDOL : M.A./M.Sc. in Economics

Intake : M.A./M.Sc. 75

M.B.E. 30

M.Phil. upto 15

Ph. D. upto 20

Location : 1st Floor, New Academic Building

Contact : Head of Department
nissar12@gmail.com

Website : www.gauhati.ac.in/economics/

Courses Offered

I. MA/MSc in Economics

The Department of Economics offers a two-year Post Graduate Degree Programme in Economics. Along with the rest of the university the department would migrate to the Choice Based Credit System (CBCS) from the season 2016-17

Intake Capacity : 75

Course Structure

In the CBCS structure the student will be led to take up 16 courses out of which 12 courses are core and four courses are elective. There is also an option of one open course each in the third and fourth semesters of the programme. The Department also will offer one value added course in each of the semesters which will be non-graded.

SYLLABUS STRUCTURE UNDER CBCS

| COURSE CODE | First Semester |
|-----------------|--|
| ECO 1016 | Principles of Microeconomics (C) |
| ECO 1026 | Elements of Macroeconomics (C) |
| ECO 1036 | Quantitative Orientation *(C) |
| ECO 1046 | Elements of Development Economics (C) |
| ECO 1054 | Statistical Software for Data Analysis [VA] |
| COURSE CODE | Second Semester |
| ECO 2016 | Advanced Microeconomics (C) |
| ECO 2026 | Macroeconomic Theory and Policy (C) |
| ECO 2036 | Quantitative Tools *(C) |
| ECO 2046 | Development Economics : Theory and Practice (C) |
| ECO 2054 | Quantitative Aptitude and Test of Reasoning [VA] |
| COURSE CODE | Third Semester |
| ECO 3016 | Elements of Econometrics *(C) |
| ECO 3026 | Public Finance (C) |
| ECO 3036 | International Economics (C) |
| ECO 3046 | Financial System [E] |
| ECO 3056 | Industrial Economics [E] |
| ECO 3066 | Environmental Economics [E & O] |
| ECO 3074 | Project Formulation and Execution [VA] |
| COURSE CODE | Fourth Semester |
| ECO 4016 | Indian Economy in the Global Context (C) |
| ECO 4026 | Demography [E] |
| ECO 4036 | Operations Research *(E) |
| ECO 4046 | Econometric Methods *(E) |
| ECO 4056 | Model Building and Simulation In Economics *(F) |
| ECO 4066 | Agricultural and Resource Economics [E] |
| ECO 4076 | Financial Operations & Management [E & O] |
| ECO 4084 | Research Methodology for Social Science [VA] |

II. Master of Business Economics (MBE)

The MBE Programme is an inter-disciplinary course of Economics, Finance and Management which is designed to develop a deep analytical insight among the students while empowering them to participate in decision making processes. It is intended to enhance the capacity to develop solution techniques for application in real life management problems. Designed as a contemporary professional course, the MBE graduates are expected to generate interest among recruiters across the entire gamut of Management, Finance and Economics.

The MBE programme is jointly offered by the Department of Economics and the Department of Business Administration under the Faculty of Management.

Eligibility for admission

A Bachelor's Degree with a minimum of 50 percent marks in aggregate or in major from any recognized University. Eligible candidates are selected on the basis of their overall performance in the written test, group discussion and personal interview.

Intake Capacity : 30

SYLLABUS STRUCTURE UNDER CBCS

| PAPER CODE | First Semester |
|-----------------|---|
| MBE 1014 | Basic Micro Economics (C) |
| MBE 1024 | Macro Economics (C) |
| MBE 1034 | Quantitative Techniques in Economics and Business – 1 (C) |
| MBE 1044 | Accounting for Business Economics (C) |
| MBE 1054 | Principals of Management and Organizational Behavior (C) |
| MBE 1064 | Monetary Economics and the Financial System (C) |
| MBE 1074 | Structured Analysis and Communication (VA) |
| PAPER CODE | Second Semester |
| MBE 2014 | Advanced Micro Economics (C) |
| MBE 2024 | Financial Management (C) |
| MBE 2034 | Quantitative Techniques in Economics and Business – 2 (C) |
| MBE 2044 | Marketing Management (C) |
| MBE 2054 | MIS and Data Mining (C) |
| MBE 2064 | Research Tools & Techniques in Management (C) |
| MBE 2074 | Quantitative Aptitude and Test of Reasoning (VA) |
| PAPER CODE | Third Semester |
| MBE 3014 | Environment Management (E) |
| MBE 3024 | Econometrics and Business Forecasting (C) |
| MBE 3034 | International Business and Finance (C) |
| MBE 3044 | Public Finance (C) |
| MBE 3054 | Security Analysis and Portfolio Management (C) |
| MBE 3064 | Project Management (C) |
| MBE 3074 | Consumer Behavior Analysis (C) |
| MBE 3084 | Summer Project (C) |

| PAPER CODE | Fourth Semester |
|-----------------|---|
| MBE 4014 | Business Environment and Strategic Management (C) |
| MBE 4024 | Legal Aspect of Business (C) |
| MBE 4034 | India in the Global Economic Context (C) |
| | Group – One paper from the following |
| MBE 4044 | Development Perspective for Business Economy (E) |
| MBE 4054 | Advance Operation Research (E) |
| | Group 1 – 2 Papers from the Following |
| MBE 4064 | Banking & Risk Management (E) |
| MBE 4074 | Derivatives Market and Risk Management (F) |
| MBE 4084 | Investment and Valuation (E) |
| MBE 4094 | Entrepreneurship Management (VA) |

Notes:

- The first digit indicates the semester, the next two the course number and the fourth the credit per week the course carries.
- There will be six courses per semester plus a non-graded value added course.
- (C) = core, (E) = Elective, (O) : courses open for students of other disciplines , (VA) = value added courses. (Please refer to Clause 4a of CBCS regulations for details)

III. Research Programmes

M.Phil. in Economics/Ph.D. in Economics

The Department of Economics offers a one year M.Phil. programme in Economics. Besides it also has a Ph.D. programme in Economics which can be pursued both on and off campus.

Admission to both the programme are administered on the basis of separate and independent written test.

The scholars admitted to the two programmes are mandatorily required to attend the Inception workshop and later the Course Work Programme.

The course work broadly updates and empowers the scholars on :

- Topics from Microeconomic Theory
- Topics from Macro and Development Economics
- Research Tools
- Preparation of Term paper and Dissertation

Faculty : Teaching and Research interests

Professors

Runumi Dowerah Baruah, MA. in Economics (GAU), PH.D. (GAU) *Demography Planning Statistical Method for Economic Analysis*

Madhurjya Prasad Bezboruah, MA. (DELHI) PH.D. (GAU) *Econometrics, Microeconomics, Environmental Economics, Agricultural Economics*

Archana Sharma, M.A.(GAU), Ph.D.,(DIB), *Macro Economics, Environmental Economics, Agricultural Economics, Gender Economics*

Sakiya Khan, M.A., (GAU), Ph.D. (GAU), *International Economics*

Nissar Ahmed Barua, M.A. (GAU) Ph.D. (GAU), (**Head of the Department**)

Public Finance, Development Economics, Financial Economics

Associate Professor

Gayatri Goswami, M.A. (GAU), Ph.D. (GAU)

Mathematical Economics, Operation Research

Nivedita Goswami, M.A. (GAU), M.Phil. (IGIDR) Ph.D. (GAU)

Mathematical Economics, industrial economics, Public Finance

Assistant Professor

Ratul Mahanta, M.A. (GAU) Ph.D. (IIT-G)

Mathematical Economics, Econometrics, Computer Applications, Environmental Economics

Anshuman Barua, MA. (GAU), M.Phil. (JNU)

Development Economics, International Economics

Associations and Societies

The Assam Economic Association is a body comprising the students and faculty members of the Department, devoted to the promotion of research in economics.

The Department also has an Alumni Association which offers

a platform to teacher and former students of the Department to meet and interact. Alumni can interact with the department at alumni.ecogu@gmail.com

Assam Economic Review

The **ASSAM ECONOMIC REVIEW** published annually in January/February by the Department of Economics, Gauhati University now bears ISSN 2319-6254. The aim of the journal is to provide a forum for discussion and exchange of ideas and finding of research on any branch of Economics. Papers dealing with (i) latest advances in research and methods of analysis and /or (ii) analyzing primary data to substantiate/debate existing theories and policies in the context of Economy of North-East India and/or (iii) attempting to test new hypothesis to illustrate actual economic phenomenon in an operational economy are encouraged.

Facilities

The Department library has more than 2,500 books in it. Subscriptions include **Economic & Political Weekly, The Economic Times, The Assam Tribune and the Employment News**. Various reports published by the Government, UNDP, RBI etc. are acquired regularly for the benefit of the students. The Department has a well-equipped computer Lab with internet facilities where many highly rated online journals are subscribed.

EDUCATION

The Department

The Department of Education seeks to acquaint students with current Educational policies and to impart an understanding of the various educational systems that are being practised.

Profile

Year of Establishment : 1948

Head of the

Department : Prof. Jagat Swargiary

Courses Offered : M.A. in Education

M.Ed.

Ph.D.

Intake : M.A. 54

M.Ed. 50

Contact : (a) Prof. Jagat Swargiary

Head, Department of

Education

Tel : 9435196315

Email : jagatswargiary@gmail.com

Website : www.gauhati.ac.in/education

SYLLABUS STRUCTURE UNDER CBCS

| FIRST SEMESTER | | | | | | | | |
|-----------------------|---|-------------|-----------|--------------|-----------|-------------|-----------|------------|
| Course Code | Course Name | Course Type | Lecture | Tutorial | Practical | Credit | Hours | Nature |
| EDU-1016 | Philosophical foundations of Education | Core | 5 | 1 | 0 | 6 | 6 | Graded |
| EDU-1026 | Psychological Perspectives of Education | Core | 5 | 1 | 0 | 6 | 6 | Graded |
| EDU-1033 | Methods & Techniques of Teaching | Core | 2 | 1 | 0 | 3 | 3 | Graded |
| EDU-1046 | Educational Technology | Core | 5 | 1 | 0 | 6 | 6 | Graded |
| EDU-1053 | Practice Teaching | Core | 0 | 0 | 6 | 3 | 6 | Graded |
| EDU-1064 | Group Discussion & Co curricular activities | Value Added | 2 | 2 | 0 | 4 | 4 | Not Graded |
| Semester Total | | | 19 | 4+2=6 | 6 | 24+4 | 31 | |
| SECOND SEMESTER | | | | | | | | |
| EDU-2016 | Sociological foundations of Education | Core | 5 | 1 | 0 | 6 | 6 | Graded |
| EDU-2026 | Educational Planning and Management | Core | 5 | 1 | 0 | 6 | 6 | Graded |
| EDU-2036 | Comparative Education | Core | 5 | 1 | 0 | 6 | 6 | Graded |

| EDU-2046 | Problems and Issues of Education | Core | 5 | 1 | 0 | 6 | 6 | Graded |
|---|--|---|-------------|------------|----------|-------------|-------------|------------|
| EDU-2054 | Educational Entrepreneurship & Soft Skill Development | Value Added | 2 | 2 | 0 | 4 | 4 | Not Graded |
| Semester Total | | | 20+2 | 4+2 | 0 | 24+4 | 24+4 | |
| THIRD SEMESTER | | | | | | | | |
| EDU-3016 | Measurement and Evaluation in Education | Core | 5 | 1 | 0 | 6 | 6 | Graded |
| EDU-3026 | (A)Continuing Education (B) Teacher Education | Elective | 5 | 1 | 0 | 6 | 6 | Graded |
| EDU-3036 | (A)Abnormal Psychology (B)Developmental | Elective | 5 | 1 | 0 | 6 | 6 | Graded |
| EDU-3046 | Psychology Psychological Laboratory Practical | Core (Laboratory Practical) | 0 | 0 | 6 | 6 | 12 | Graded |
| EDU-3056 | Stress Management and Mental Health | Open (for the students of other discipline) | 5 | 1 | 0 | 6 | 6 | Graded |
| EDU-3064 | Seminar presentation | Value Added | 2 | 2 | 0 | 4 | 4 | Not Graded |
| Semester Total | | | 15+2 | 3+2 | 6 | 24+4 | 30+4 | |
| N.B. – Students willing to opt Open course are to choose any one elective course and the students not willing to opt Open course are required to opt any two elective courses. | | | | | | | | |
| FOURTH SEMESTER | | | | | | | | |
| EDU-4016 | Methodology of Educational Research | Core | 5 | 1 | 0 | 6 | 6 | Graded |
| EDU-4026 | Educational Statistics | Core | 5 | 1 | 0 | 6 | 6 | Graded |
| EDU-4036 | (A)Curriculum Development (B)Economics of Education | Elective | 5 | 1 | 0 | 6 | 6 | Graded |
| EDU-4046 | A) Environmental Education (B)Guidance and Counseling | Elective | 5 | 1 | 0 | 6 | 6 | Graded |

| FOURTH SEMESTER | | | | | | | | |
|---|------------------------------|-------------|---|------------|----------|-------------|-------------|------------|
| EDU-4056 | Teaching & Research Aptitude | Open | 5 | 1 | 0 | 6 | 6 | Graded |
| EDU-4064 | Project/ Field study | Value Added | 2 | 2 | 0 | 4 | 4 | Not Graded |
| Semester Total | | | | 4+2 | 0 | 24+4 | 24+4 | |
| N.B. – Students willing to opt Open course are to choose any one elective course and the students not willing to opt Open course are required to opt any two elective courses | | | | | | | | |

Specializations Offered for M.Ed.

- Educational Management
- Child Development and Child Guidance

Faculty : Teaching and Research Interests

Professor

Prof. Jagat Swargiary, M.A. (GAU), M.Phil. (GAU), Ph.D. (GAU),
(*Head of Department*)

Adult and Continuing Education, Comparative Education, Educational Technology Educational Planning and Management, Psychological Laboratory Practical

Prof. Lutfun Rasul Saikia, M.A. (GAU), LL.B. (GAU) M.Phil. (JNU), Ph.D. (GAU)

Teacher Education, Problems and Issues of Current Indian Education, Women's Studies, Psychological Laboratory Practical

Prof. Gayatree Goswamee, M.A. (GAU), Ph.D. (GAU)

Child Psychology Comparative Education, Methods and Techniques of Teaching, Guidance and Counselling.

Prof. Kaberi Saha, M.A. (GAU) Ph.D. (GAU)

Abnormal Psychology and Mental Hygiene, Educational Statistics and Research, Mental Measurement and Evaluation Psychological Laboratory Practical.

Associate Professor

Dr. Polee Saikia, M.A. (GAU), B.Ed. (GAU) Ph.D. (GAU)

Educational Sociology, Comparative Education, Developmental Psychology, Philosophy of Education, Psychological Laboratory Practical, Teaching Practical.

Dr. Dulumoni Goswami, M.A. (MANIP) Ph.D. (GAU)

Adult and Continuing Education, Educational Management, Methods of Teaching and Educational Statistics Economics of Education.

Assistant Professor

Dr. Purabi Baishya, M.A. (GAU), B.Ed. (GAU), Ph.D. (GAU)

Educational Organization and Administration, Educational Psychology, Environmental and Population Education, Teacher Education.

Dr. Sima Kalita, M.A. (GAU), B.Ed. (GAU), M.Phil. (GAU), Ph.D. (GAU)

Abnormal Psychology and Mental Hygiene, Psychology, Educational Statistics, Comparative Education.

Dr. Moyuri Sarma, M.A. (GAU), B.Ed. (GAU), Ph.D. (GAU)

Adult and Continuing Education, Economics of Education, Educational Planning and Management, Educational Technology, Social Dynamics, Mental Measurement and Evaluation, Teaching Practical.

Faculty for M.Ed.

Dr. Bidula Sarmah, M.Sc. (GAU), M.Ed. (GAU) (*Contractual*)
Educational Statistics

Anju Kalita, M.A. (GAU), M.Ed. (GAU) (*Contractual*)
Educational Management

Dr. Babli Choudhury, M.A. (GAU), B.Ed. (GAU), Ph.D. (GAU)
(*Contractual*)

Facilities

The Department has its own library with a collection of 8,700 books and two journals. There are number of computers and one LCD Projector as a provision for application of ICT in Education.

How to Find us

The Department of Education is located to the south of the Faculty House and adjoined to MBA Department.

ENGLISH

The Department

The Department of English seeks to expand the parameters of English Studies by fostering a meaningful dialogue between various disciplines and by giving an impetus to the concept of Cultural Studies without totally breaking away from the canon or traditional ways of teaching/reading literature.

The mission of the department is to train students in the study of literature by acquainting them with established classics as well as significant new works in the English language, and by familiarizing them with various critical tools and precepts from early times to the present age. Class-room lectures are supplemented by tutorials catering to specific needs of students and various extra-curricular activities with an academic base such as seminars, film shows debates, and group and panel discussions organised by the English Association of the Department. This is done in order to foster a composite and comprehensive approach towards the creation of future scholars and teachers.

The Department completed fifty years of its existence in August 2004. Over the years, the Department has had luminaries like Amaresh Dutta, Bhola Banerji, Motnahalli Surappa Prabhakar, Hirendranath Dutta, Dilip Kumar Baruah, Hirendranath Gohain and Bhaben Barua as faculty members.

Profile

| | |
|-------------------------------|---|
| Year of Establishment | : 1955 |
| Head of the Department | : Prof. Pradipta Borgohain |
| Courses Offered | : M.A. in English M.Phil Ph.D. |
| Intake | : M.A. 66 M.Phil. 10 |
| Location | : Dept. of English |
| Contact | : The Department Office Tel. : 0361-2570262 Mridul Deka Tel. : 98597-03917 |
| Website | : www.gauhati.ac.in/english/ |

Course Structure

Semester-wise distribution of marks

| | | |
|-----------------|---|------|
| First Semester | = | 400 |
| Second Semester | = | 400 |
| Third Semester | = | 400 |
| Fourth Semester | = | 400 |
| Total Marks | = | 1600 |

Optional Papers/Specializations

Special/ Optional papers offered in the Third Semester

- Option I : Yeats
- Option ii : The Brontës
- Option iii : Salman Rushdie

Specializations offered in the Fourth Semester

- Option A : Indian English Literature (I & II)
- Option B : American Literature (I & II)
- Option C : Literary Theory: From Structuralism to the Cultural Turn (I & II)
- Option D : Women and Literature (I & II)

- Option E : Language and Linguistics (I & II)
- Option F : World Literatures in English Translation (I & II)
- Option G : Translation Studies (I & II)
- Option H : Children's Literature (I & II)
- Option I : Latin American Literature (I & II)
- Option J : Shakespeare (I & II)

Faculty : Teaching and Research Interests

Professors

Nandana Dutta, M.A. (GAU), M.Phil. (GAU), Ph.D. (GAU)
Post-Colonial Literature & Theory, Travel Writing, Nineteenth Century American Studies, Women and Writing.

Pradipta Borgohain, M.A. (DELHI), M.Phil. (DELHI), Ph.D. (ILLINOIS),
(Head of the Department)
Victorian Literature, Victorian and Modern Fiction, Northeast Studies, Translation Studies.

Asha Kuthari Chaudhuri, M.A. (GAU), Ph.D. (GAU)
Drama, Theatre and Performance Studies, Elizabethan and Jacobean Poetry, American Literature, Indian Writing in English, Gender Studies, Media, Communication & Film Studies

Bibhash Choudhury, M.A. (GAU), Ph.D. (GAU)
Literary Theory, European Studies, Latin American Literature, Literary History, Children's Literature, Assamese Literature

Associate Professors

Sanjeev Kumar Nath, M.A. (GAU), Ph.D. (GAU)
Modern Poetry, T. S. Eliot, Postcolonial Studies, African Fiction, Translation Studies, English Language Politics.

Anjali Daimari, M.A. (JNU), M.Phil (JNU), Ph.D (NEHU)
Translation Studies, Indian Writing in English, Fiction, African Literature, Women's Studies, Contemporary South Asian Fiction, Bodo Life & Literature

Manashi Bora, M.A. (GAU), PG.D.T.E. (CIEFL), Ph.D. (GAU)
Language and Linguistics, Women's studies, Translation Studies, Indian English Literature.

Lalan Kishore Singh, M.A. (GAU), Ph.D. (GAU)
South African Literature, Literary Theory, American Literature, Postcolonial Fiction.

Assistant Professor

Farddina Hussain, M.A. (GAU), Ph.D. (GAU)

*Ecocriticism, Film Studies, Modern Poetry, Women's Studies
Speculative Fiction, Indian English Literature.*

Dolikajyoti Sharma, MA. (DELHI), Ph.D. (GAU)

*Modern Poetry, Fiction, Women is Studies, Green Studies,
Contemporary South Asian Fiction, Indian Writing in English*

Lectures

The **Anita Baruah Sarmah Memorial Lecture** was set up in 2006 and is held annually. It is sponsored by the Anita Baruah Sarmah College of Education and organized by the Department of English, Gauhati University.

Journal

The Department has two journals : *Margins* and *English Forum* that come out every year.

Students' Seminar

Since 2009, the Department has been organizing an annual students' seminar that centres on any author/theme etc. pertaining to the MA English course.

Prizes

- An annual prize of Rs. 5,000/- is given to the University Topper in the subject. The prize is sponsored by POPYRUS, Panbazar.
- A second annual prize of Rs. 5,000/- is given by the alumni of the Department of English in the name of Anita Baruah Sarmah to the best all-round student of the Department

Facilities

- The Departmental Library has over 7500 books that are accessible for students and teachers.
- The Department has an Internet Resource Centre with 18 terminals providing access to online journals through INFLIBNET

ENGLISH LANGUAGE TEACHING

The Department

Since the time of its inception, the Department of English Language Teaching (ELT) has been rendering significant service to the cause of teaching of English in the states of the North East by providing professional training to teachers of English from schools and colleges.

The Department's objective is to help English Language Teaching evolve, flourish and establish itself as a Service Discipline among different learner/user groups in Assam and the Northeast by developing professional competence and vocational commitment in them through teaching and research, training and extension, consultancy and collaboration with local, national and international bodies.

In response to the urgent need for trained professionals in English, both in key vocational areas as well as in higher education, the Department offers an M.A. Programme in LELET (LINGUISTICS AND ENGLISH LANGUAGE TEACHING) in collaboration with the allied Department of Linguistics, leading to an M.A. in English Language and ELT. The LELET Programme is interdisciplinary in nature and draws on the faculty strength of both the Departments. It incorporates components of Linguistics, aspects relating to the structure and multi-dimensional use of English, and ELT pedagogy for effective teaching at the school and college level.

Profile

| | |
|--|---|
| Year Established | : 1957 |
| Head of Department and Coordinator, | |
| LELET Programme | : Prof. Anita Tamuli |
| Courses Offered | : M.A. in English Language and ELT |
| | : Ph.D. |
| Intake | : M.A. in English Language and ELT - 25 |
| M.A. (EL & ELT) | : 25 (3rd & 4th Semesters) |
| M.A. (Linguistics) | : 10 (3rd & 4th Semesters) |
| Contact | : The Head, Department of ELT, 2nd Floor, New Academic Building, Gauhati University, Guwahati-781014 E-mail : elt@gauhati.ac.in |
| Website | : www.gauhati.ac.in |

Eligibility :

(a) Eligibility to apply

Graduates from SCIENCE, COMMERCE and ARTS are eligible to apply provided they have either

(i) Secured Major in English

(candidates who fail to secure a minimum of 40% marks in English Major will not be eligible to apply)

or

(ii) if they have not opted for Major in English, they have scored at least 50% in English as a subject at graduation (or equivalent grade)

(b) Criterion for Selection

Selection is based on a two and a half hour Proficiency Test in English for 100 marks.

This test is intended to find out whether that the applicant has the necessary level of command in the English Language

required for the LELET Programme. The areas covered in the test will include the following areas: reading comprehension, written composition, dictation, grammar and vocabulary usage.

Since applicants from all three streams (Arts, Science and Commerce) are eligible to apply, the test will not be based on any formal knowledge of English Grammar or Linguistics.

General category applicants and reserved quota applicants must secure the minimum pass percentage of 50% and 45% respectively in the proficiency test in order to be considered for admission.

Further information

For information regarding the Proficiency Test in English, Test Date and other matters relating to the course such as Career Prospects in ELT, interested applicants are advised to contact the Coordinator of the LELET Programme or any other member of the teaching staff of the two concerned Departments. Further information is also available on the website of the University.

Course Structure

| Semester | Marks for Compulsory courses | Credits for Compulsory courses | Marks for Value Added Courses | Credits for Value Added |
|--------------|------------------------------|--------------------------------|-------------------------------|-------------------------|
| 1st Semester | 400 | 24 | 70 | 4 |
| 2nd Semester | 400 | 24 | 70 | 4 |
| 3rd Semester | 400 | 24 | 70 | 4 |
| 4th Semester | 400 | 24 | 70 | 4 |
| Total | 1600 | 96 | 280 | 16 |

SYLLABUS STRUCTURE UNDER CBCS

NOTE: LEL reflects the common component of the LELT (Linguistics and ELT) Programme. This common component covers the first two semesters plus two proficiency courses in the third and fourth semesters.

In the third and fourth semesters, the ELT Option is indicated by the letters ELT.

First Semester

| Course Code | Course Name | Course Type |
|-------------|--|-------------|
| LEL 1016 | Introduction to Language and Linguistics | Core |
| LEL 1026 | Phonetics and Phonology | Core |
| LEL 1036 | Introduction to Language Teaching | Core |
| LEL 1046 | Study Skills in English | Core |
| LEL 1054 | Academic Reading I | VA |

Second Semester

| | | |
|----------|-----------------------------------|------|
| LEL 2016 | Semantics | Core |
| LEL 2026 | Sociolinguistics | Core |
| LEL 2036 | Morphology and Syntax | Core |
| LEL 2046 | Introduction to Language Analysis | Core |
| LEL 2054 | Academic Reading II | VA |

Third Semester

| | | |
|----------|---------------------------------|-----------|
| ELT 3016 | Methodology of Teaching English | Core |
| ELT 3026 | Syllabus and Materials Design | Core |
| ELT 3036 | English for Specific Purposes | Elective* |
| ELT 3046 | Applied Linguistics and ELT | Elective* |
| ELT 3056 | English for Academic Purposes | Open |
| LEL 3064 | Academic Writing I | VA |

Fourth Semester

| | | |
|----------|--|-----------|
| ELT 4016 | Testing and Evaluation in ELT | Core |
| ELT 4026 | Practice Teaching | Core |
| ELT 4036 | English Language Teacher Education | Elective* |
| ELT 4046 | Projects in ELT | Elective* |
| ELT 4056 | Literacy and Language Education | Elective* |
| LEL 4064 | Academic Writing II | VA |
| ELT 4076 | Education Psychology in Language Teaching: learners and the learning process | Open |

*All Elective options in the third and fourth semesters will **not** be offered until adequate infrastructure and human resource are available.

Specializations Offered

- Methodology of English Language Teaching (General, Functional and Business English)
- Literacy and Language Education

Faculty : Teaching and Research Interests

Professor

Anita Tamuli, M.A. (Pune), M.A. (T.E.F.L.), (Reading, UK), M.Phil.

(Pune), P.G.D.T.E. (Hyd'bad), Ph.D. (Gau), (**Head of Department**)

Applied Linguistics, Phonetics and Phonology, Sociolinguistics, Materials and Syllabus design, Approaches to Teaching ESP

Associate Professor

Padmini Bhuyan Boruah, M.A. (Gau), P.G.D.E.T. (Gau), P.G.D.T.E (Hyd'bad), Ph.D. (Gau)

Teacher development, Methodology of teaching English, and Materials development

Assistant Professor

Nivedita Malini Barua, M.A. (Gau), Ph.D. (Gau), English for Specific Purposes, Testing and Evaluation

Sudipto Bezbaroa, M.A. (Gau), B.Ed. (Gau.), Linguistic Semantics, Applied Linguistics

Khamseng Baruah, M.A. (Gau), ELT Methodology, English for Specific Purposes

Employability

The course content of the ELT Option of the LELT Programme is firmly practical, and seeks to train students as efficient teachers of such need-based courses at different levels of the educational establishment as Business English, Communicative English and Functional English. A second important aim is to train competent English Language Professionals in key areas.

It is anticipated that through these two aims, the employability of the M.A. EL and ELT course would be ensured in areas such as the following:

- Teaching in universities, colleges and schools
- Teaching in corporate sector training institutes
- Call centre jobs
- Media related jobs
- Jobs with publishing companies
- Sales and marketing jobs in the private sector

Placement Profile

Ever since the first batch of students of M.A. EL and ELT course graduated in 2003, their placement profile has been showing a steady upward curve.

The recognition of the emerging importance of ELT in various sectors is reflected in the jobs that our students have been able to secure: Corporate sector (Wipro BPO, Deloitte, British Council), Private Sector (Shankar Academy, G. C. Management and Technical Institute, St. Mary's College, Teachers' Training College, other technical institutes outside the state etc.), NERIST, prestigious schools (Maharishi, Navodaya, Asom Jatiya Vidyalaya, Maria Montessori, Don Bosco, Sanskriti Gurukul and St. Mary's Schools) and University (Distance Education Department, Rajiv Gandhi University).

Student Support

NET/JRF Counselling

The Department offers academic counselling and study materials to students interested in qualifying for the National Eligibility Test (NET) and Junior Research Fellowship (JRF)

examination conducted by the UGC.

Personality Development

The faculty makes conscious efforts to build confidence in the students and develop their inner creativity through an interactive teaching-learning methodology which involves group-work, brainstorming and presentation.

Language Skills Development

Students are offered guidance in enhancing their speaking and writing skills to enable them to face the demands of a competitive job market, such as professional training institutes and the upcoming Information Technology enabled Services (ITeS) sector such as Business Process Outsourcing (BPO).

Placement Support

The Department of ELT informally liaises with institutions and organisations interested in recruiting ELT postgraduates for positions that require training in English language skills.

Facilities**Library**

The Department has a well-equipped library with latest publications in the field of English Language Teaching for the use of both faculty and students.

Language laboratory

The department has a language laboratory with state of the art software for language development. The facilities include self-learning and monitored learning modules.

FOREIGN LANGUAGES

The Department

The Department of Foreign Languages, Gauhati University was established with an objective to introduce the knowledge of foreign languages to the young aspiring minds of the state of Assam. It was a culmination of the vision set by Prof. Krishna Kama Handiqui, the first Vice Chancellor of the University who himself knew several European languages by introduction of one year certificate course in Russian in 1968. Later on courses in French language and culture were added to the curricula of the department. Presently, apart from teaching foreign languages and culture, the department of Foreign Languages also offers interdisciplinary courses in comparative literature and culture. Since 2000, the department has been successfully conducting Doctoral programme in comparative languages, literature and culture as a part of its interdisciplinary activities. So far 17 scholars have been awarded doctorate degrees in different research areas from this department. From the current academic year, the department has introduced M. Phil programme in Comparative Literature and Cultural Studies with an intact capacity of 10. The Master of Philosophy (M. Phil) in Comparative Literature and Cultural Studies is designed for students interested in interdisciplinary research in comparative literature and culture. The following courses will be taught in the M.Phil. programme :

Paper I : A) Research Methodology and Introduction to Comparative Literature & Cultural studies - 3 Credits;

B) Introduction to Comparative Literature and Cultural studies - 3 Credits;

Paper II : History of French/Russian Literature and Culture - 6 Credits

The Department also participates in the CBCS introduced by the University from the current academic year by offering courses in French/Russian language, literature and culture to the students of other departments. The department also plans to introduce 3 months intensive course in German language in collaboration with Goethe Institut, Max-Muller Bhavan from the coming session.

Faculty : Teaching and Research Interests

Professors

Dr. Kandarpa Das, M.A. (JNU), Ph.D. (Moscow State University, Russia) [*Head of the Department*]

Dr. Gulab Jha, M.A. (BHU), Ph.D. (BHU), DSA (Grenoble)

Assistant Professor

Dr. Raunak Mahtab Baruah, M.A. (BHU), Ph.D. (BHU)

Courses Offered

| Courses Offered | Eligibility | Intake Capacity | Duration |
|---|--|-----------------|-------------|
| Ph.D. | Master with 55% marks in any language or humanities | | As per UGC |
| M.Phil in Comparative Literature and Cultural studies | Master with 55% marks in any language or humanities | 10 | 2 semesters |
| PG Diploma in French/Russian | Graduate from a recognized university with French/ Russian Certificate | 20+20 | 2 semesters |
| PG Certificate in French/Russian | Graduate from a recognized university | 20+20 | 2 semesters |
| 3 months intensive course in French/ Russian/ German* | 10+2 passed from a recognized state/central board | 20+20+20 | 3 months |

* to be introduced

Profile

Year of Establishment : 1968

Head of the

Department : Prof. Kandarpa Das

Courses Offered : Ph.D., M.Phil., PG Diploma, PG Certificate, 3 months intensive course

**Intake : Ph.D. 10
M.Phil. 40
PG Diploma, 40
PG Certificate, 40
3 months intensive course 80**

Location : New Academic Building, Ground Floor, GU

**Contact : Department of Foreign Language
Tel : 94350 43124**

**Email : kandarpagu@gmail.com;
kandarpadas@gauhati.ac.in**

Website : www.gauhati.ac.in

SYLLABUS STRUCTURE UNDER CBCS

| Course Code | First Semester | Remarks |
|------------------------|--------------------------|--------------------|
| DFL 1014 | French for beginners-I | Value added course |
| DFL 1024 | Russian for beginners-I | Value added course |
| Second Semester | | |
| DFL 2014 | French for beginners-II | Value added course |
| DFL 2024 | Russian for beginners-II | Value added course |

| <i>Third Semester</i> | | |
|------------------------|--|-------------|
| DFL 3016 | French Language & Culture-I | Open course |
| DFL 3026 | History of Russian Literature | Open course |
| DFL 3036 | History of French Literature-I | Open course |
| <i>Fourth Semester</i> | | |
| DFL 4016 | French Language & Culture-II | Open course |
| DFL 4026 | Imperial and Revolutionary Russia : Literature and Society (1700-1917) | Open course |
| DFL 4036 | History of French Literatur-II (XIX & XX Century) | Open course |

Contact :

Dr. Kandarpa Das
 Professor & Head,
 Department of Foreign language
 Mobile : +91 9435043124
 e-mail : kandarpagu@gmail.com
 kandarpadas@gauhati.ac.in

HINDI

The Department

Gauhati University started the Department of Hindi on 31st October 1970 and thus became the first University Department in the North East Region of India.

The Mission of the Department is to popularize Hindi in the North Eastern Region through providing opportunities for higher studies. It seeks to develop human resources in the field of Hindi-oriented job opportunities and to strengthen national unity and integrity.

SYLLABUS STRUCTURE UNDER CBCS

| FIRST SEMESTER | PAPER NAME | CREDIT |
|------------------------|---|--------|
| HIN101G | Madhyayugin Kavya-I | 6 |
| HIN102G | Hindi Sahitya Ka Itihaas-I | 6 |
| HIN103G | Hindi Ka Upanyas Sahitya | 6 |
| HIN104G | Hindi ka Kahani Sahitya | 5 |
| IIN1055 | Bharatiy Kavyashastra | 5 |
| SECOND SEMESTER | | |
| IIN201B | Madhyayugin Kavya-II | 6 |
| IIN202B | Hindi Sahitya Ka Itihaas-II | 6 |
| HIN203B | Hindi Sahitya Ka Itihaas-III | 6 |
| HIN204B | Hindi Ka Natya Sahitya | 5 |
| HIN205G | Paschatya Samiksha evm Samakalin Avadhayanayen | 5 |
| THIRD SEMESTER | | |
| HIN301B | Aadhunik Kavya-I | 6 |
| HIN302B | Bhashavijnan Ke Siddhant evm Shailivijnan | 6 |
| HIN303B | Hindi Bhasha | 6 |
| IIN304B | Hindi Ka Nibandh Sahitya | 5 |
| IIN305B | Prayojanmulk Hindi(E) | 5 |
| IIN306B | Vyavaharik Hindi Anuvad (E) | 5 |
| HIN307B | Spoken Hindi (O) | 3 |
| FOURTH SEMESTER | | |
| HIN401B | Aadhunik Kavya-II | 6 |
| HIN402B | Hindi Aalochana,Pranukh Aalochak evm Aadhunik Varnash | 6 |
| IIN403B | Hindi Gadya Ki Vaidh Vidhayan | 6 |
| IIN404B | Tulanatmik Bharatiy Sahitya:Asamiya | 5 |
| IIN405B | Natakhar Prasad(E) | 5 |
| IIN406B | Kavi Dirkar(E) | 5 |
| HIN407B | Kavi Sudama Pancaya Dhumil(E) | 5 |
| HIN408B | Hindi Krishna Kavya(E) | 5 |
| HIN409B | Hindi Ram Kavya(E) | 5 |
| HIN4010B | Hindi Chhayavadi Kavya(E) | 5 |
| HIN4011B | Kachakar Premchand(O) | 3 |
| HIN4012B | Hindi Lok Sahitya(O) | 3 |

Notes:

1. E= Elective
2. O= Open for Other Disciplines
3. Students in the 3rd semester have to opt either HIN 3055 or HIN 3065 .
4. Students in the 4th semester will be notified for selection of 5 papers out of the available options.

Profile

| | |
|--------------------------|--|
| Year of Establishment : | 1970 |
| Head of The Department : | Prof. Dilip Kumar Medhi |
| Course offered : | M.A. in Hindi M. Phil. Ph.D. |
| Intake : | M.A. 50 M. Phil. 10 |
| Location : | New Arts Building, Right Wing, Second Floor |
| Contact : | The Head Department of Hindi Tel. : 0361-2672464 (O) |
| Website : | www.gauhati.ac.in/ |

Faculty : Teaching and Research Interests**Professor**

D.K. Medhi, M.A. (GAU), Ph.D. (GAU), (*Head of the Department*)
Folklore and Comparative Study.

Associate Professor

Achyut Sarma, M.A. (DELHI) Ph.D. (GAU)
Linguistics and Comparative Study in Hindi and Assamese Language and Literature.

Ritamoni Baishya, M.A. (GU), Ph.D. (GU)
Fiction.

Assistant Professor

Amit Kumar Pandey, M.A. (BHU) Ph.D. (BHU), B.Ed.(BHU)
Advanced Diploma in Marathi (BHU) *Criticism.*

Guest Faculty

L.N. Pathak, M.A. (AGRA) Ph.D. (SARDAR PATEL UNIV)
Comparative Study on Fiction.

Amulya Ch. Barman, M.A. (GAU) Ph.D. (GAU)
Comparative Study on Drama.

Nibedita Nath, M.A. (GAU) M.Phil (GAU)
Fiction.

Karabi Talukdar, M.A. (GAU) M.Phil (GAU)
Drama.

Aparajita Deka, M.A. (GAU), M.Phil. (GAU)
Drama.

Placement Profile

Since 1970 till the present, a good number of M.A. M.Phil. and Ph.D. degree holders of the Department have succeeded in getting placement in various educational institutions, government and semi-government offices.

Clubs and Societies

The **Hindi Sahitya Praishad** is the literary forum of the Department which aims at developing the oratory and literary capabilities of the students. Popular lectures are also organised under its banner.

Student Fellowship

The **Shreemanta Shankardeva Fellowship** for Comparative Studies of Literature (Assamese/Hindi) at Gauhati University is being sponsored by Oil India Limited since 2003.

Facilities

The Department has a collection of 4,000 text and reference books. A number of journals and magazines are also available.

The Department has Computer Laboratory open for the Students/ Research Scholars/ Faculties.

HISTORY

The Department

Established along with the inception of Gauhati University in 1948, the Department of History is one of the pioneer departments of the North East Region of India. The Department aims at academic excellence and promotes higher education and research as the way forward to understanding the past in relation to the present. The courses offered are aimed to argument understanding of the current social realities entrenched in historical roots. The main thrust is on historiography, regional, marginalized voices including gender and environment studies. Attempts are made to expose the students to new ideas and trends in history-writing through discussion, study tour seminar. Faculty members are actively engaged in research work and projects funded by UGC, ICHR. and ICSSR with particular emphasis on the North East Region.

Profile

| | |
|----------------------------|--|
| Year of Established | : 1948 |
| Head of the Dept. | : Prof. Paromita Das |
| Course offered | : M.A., M.Phil., Ph.D. : M.A. in History |
| Intake Capacity | : M.A. : 60 M.Phil. : 6 Ph.D. |
| Location | : Arts Building, First Floor. |
| E-mail | : history@gauhati.ac.in dept_historygu@rediffmail.com |
| Website | : www.gauhati.ac.in |

Faculty: Teaching and Research Interests

Professors

Meeta Deka, M.A. (NEHU), M.Phil. (NEHLJ), Ph.D. (NEHU)
Courses : British rule in India (1757-1858), Peasant and Workers Resistance in Modern India,

Research Interests: Modern India, North East India, Social Movements, Gender Studies, Ethnohistory, Peasant Struggles.

Paromita Das, M.A. (GAU), Ph.D. (GAU), (**Head of the Department**)

Courses : Ancient Assam, Ancient Indian Social History, Ancient Indian Art and Architecture.

Research Interests : Ancient Indian, North East India, Art History, Folklore, Ethnic and Social History.

Rajib Handique, M.A. (GAU), Ph.D. (Dib.U)

Courses : International Relations (1871-1939), India's Foreign Relations since 1947

Research Interests : Modern Indian History, Environmental History, History of North East India, Colonial and Post-colonial history.

Associate Professors

I.S. Mumtaza Khatun, M.A. (Dib. U.), Ph.D. (GAU)

Courses : History of Medieval Assam, History of Modern Japan.

Research interests : Medieval India, North East Indian Historical Geography, Social and Economic History

Rena Laisram, M.A. (DU), M. Phil. (JNU), Ph.D. (GU)

Courses : Historiography, State Formation in Ancient India. History of China.

Research Interests : Ancient India, North East India Religion and Society, Folklore and Tradition, Gender Studies, Identity and Nationality.

Barnali Sarma, M.A. (GAU), Ph.D. (GAU)

Courses : History of Modern Assam (1826-1947), Social History of Modern India, Indian National Movement, Research Interests : Modern India, North East India : Urban History, Economic and Social History.

Assistant Professors :

Radha Das, M.A. (JNU), M.Phil. (JNU)

Courses : Historical Methods, Economic History of Ancient India, Art and Architecture of Ancient India

Research Interests : North East India: Social and Economic history of India. Gender studies, Religion, Social Ecology.

Kishor Mohan Bhattacharyya, M.A. (GAU)

Courses : History of USA

Research Interests : Modern India, Disability Studies.

Doungul Letkhojam Haokip, M.A. (M.U.), Ph.D. (M.U.)

Courses : Ancient India, Art and Architecture, Agriculture Trade and Urbanization in Early India.

Research Interests : Ancient India, North East India : Traditional Knowledge System and Tribal Studies.

Munmi Sen, M.A. (JMI, New Delhi.), M.Phil. (JNU)

Courses : Economic History of Modern India.

Research Interests : Modern India, Gender History.

Facilities

The Department has a library-cum reading room with about 2000 (two thousand) books. It has a computer laboratory with internet facilities and e-resources such as access to online Journals etc. for Students, research scholars and the faculty. The department also has a Counselling Cell.

Placement

Students have bright prospects for employment in various public institutions including teaching, administration, legal, media and non-governmental sectors,

Journal

Journal of History and Culture (ISSN 2348-3830) is an annual peer reviewed journal of the Department. It is intended as an interdisciplinary forum for theoretical debates, exchange of ideas, shift in paradigms, whether Interpretive, Positivist or Critical.

History Study Circle

The History Study Circle of the department, comprising of students and faculty organizes lectures, street plays, quiz & debates interactive sessions and study tours.

Student Activities

An Annual Magazine, FLASHBACK is brought out by the students. The Department of History was adjudged the Best Department of the University for the years, 2011 & 2012, 2014 in the Varsity Week. Study Tours to places like Mayong, Morigaon District and Suryapahar, Goalpara district, etc. are conducted regularly. Events like interdepartmental quiz Competition why so Q-rius and All Assam Debate Competition are also organized from time to time.

NET, SLET, JRF

Over the past year good number of students have passed the NET, SET/ SLET examinations and have been awarded Junior Research Fellowship (JRF) conducted by University Grants Commission and Indian Council Historical Research.

SYLLABUS STRUCTURE UNDER CBCS

FIRST SEMESTER

| | |
|----------|---|
| HIS1016 | History : Theory and Method |
| HIS1026 | History of Assam (Earliest Times up to 1228 CE) |
| HIS103A6 | State Formation in Ancient India |
| | or |
| HIS103B6 | Political Ideas and Institutions of Medieval India |
| | or |
| HIS103C6 | Colonialism, Imperialism and Resistance in India (1757-1857 CE) |
| HIS104A6 | East Asia: China and Japan (1839-1949 CE) |
| | or |
| HIS104B6 | India and South East Asia: Early Cultural Contacts |
| HIS1054 | (VA) Research Writing in Social Sciences |

SECOND SEMESTER

| | |
|---------|---------------------------------|
| HIS2016 | Historiography |
| HIS2026 | History of Assam (1228-1826 CE) |

| | |
|-----------|--|
| HIS203 A6 | Social History of Ancient India |
| | or |
| HIS203B6 | Social History of Medieval India |
| | or |
| HIS203C6 | Social History of Modern India |
| HIS2046 | Twentieth Century World History |
| HIS2054 | (VA) Cultural Heritage of North East India |
| | THIRD SEMESTER |
| HIS3016 | Nationalism in India (1858-1947 CE) |
| HIS3026 | History of Assam (1826-1947 CE) |
| HIS3036 | (E/O) Gender History |
| HIS304A6 | Agriculture, Trade and Urbanisation in Early India |
| | or |
| HIS304B6 | Agriculture, Trade and Urbanisation in Medieval India |
| | or |
| HIS304C6 | Economic History of Modern India |
| HIS3054 | (VA) Heritage Sites in North East India : Case Studies |
| | FOURTH SEMESTER |
| HIS4016 | Post Independence India |
| HIS402A6 | Ancient Indian Art and Architecture |
| | or |
| HIS402B6 | Medieval Indian Art and Architecture |
| | or |
| HIS402C6 | Peasants' and Workers' Resistance in Modern India |
| HIS403A6 | (E/O) Ethnohistory of Assam |
| | or |
| HIS403B6 | (E/O) Environmental History |
| HIS4046 | Dissertation |
| HIS4054 | (VA) Historical Application in Tourism |

E/O refers to Elective/Open course
VA refers to Value Added Course

LIBRARY AND INFORMATION SCIENCE

The Department

The Department of Library and Information Science, Gauhati University is the first and premier department of Library and Information Science in North East India established in 1966. It is one of the foremost and prestigious department in India that produces the dynamic professionals who leads the knowledge resource centres and libraries of many institutes / organizations in the region and beyond. Almost all alumni of the department hold good and respectable positions in many institutes.

The endeavour of the department has always been to enrich, strengthen and support the students in giving them opportunities and a platform to learn and develop in their own. Students are getting the scope of preparing themselves in meeting the challenges of changed situation in Library and Information Science positively. They are to support the teaching and learning process in the institution and in research level and they are to equip accordingly. It is hoped, students will join for pursuing the LIS course and become a part of the rewarding and challenging profession.

Profile

| | |
|--------------------------|---|
| Year of Establishment : | 1966 |
| Head of the Department : | Prof. Sanjay Kumar Singh |
| Course offered : | MLISc, M.Phil., Ph.D. |
| Intake : | MLISc 30 M. Phil. 5 |
| Location : | Main Arts Building. Right wing, Ground Floor |
| Contact : | The Head Department of Library and Information Science |
| E-mail : | lis@gauhati.ac.in sksgu1@gauhati.ac.in |
| Website : | www.gauhati.ac.in/lis.php |

Eligibility for admission to MLISc course

Graduates of 10+2+3 pattern in any discipline from the Gauhati University or any other University recognized by Gauhati University with a minimum of 40% marks either in Major Course or in General Course are eligible to apply. The applicants will be required to appear in the Admission Test to be conducted by the University. Selection of candidates for admission into MLISc course will be on the basis of marks obtained in HSLC, HSSLC and the Degree examinations and the Admission Test. In all cases, the Admission will be governed by the PG Admission Regulations of Gauhati University.

Faculty : Teaching and Research interests Professor

Narendra Lahkar, M.Sc. (Sheffield: UK), MLib.Sc, PhD (GAU)
Computer application in LIS, Information system, Academic and Public library systems.

Rajani Kanta Barman, M.Lib.Sc., Ph.D.. Certificate in French, LL.B.(GAU)
Management information Science, HRD in LIS, System Analysis.

Sanjay Kumar Singh, MLISc.. Ph.D. Certificate in French (GAU) CIC (IGNOU), (**Head of the Department**)
Computer Application in US, LIS in Library Management.

Assistant Professor

Tilak Hazarika, MLISc., Ph.D. (GAU), MCA (SMU), PGDLAN

(HYD)

Information Retrieval System, Web technology, Library Automation and Networking

Dipen Deka, MLISc, Ph.D. (GAU)
Computer Application in LIS. Library Classification, Digital Library, Information Service

Badan Barman, MLISc., Ph.D.(GAU)

Placement

Almost all the College Librarians of Assam and some college librarians of neighbouring states are alumni of this Department. Students have also found placement in State Universities, Central Universities, Private Universities, IIT, Railway, AIR, DDK. Botanical Survey of India, Archeological Survey of India, NIRD, DHAS, Public Library system and Special library system and the Academic institutions under private sectors.

Awad to Topper

The Silver Jubilee Cash Prize is awarded to the student securing the First class First position in the MLISc., Examination.

Special Scholarship

UGC Research fellowship both JRF and SRF.

NET/JRF

During 2015-16 a total number of 7 students cleared the UGC-NET.

Facilities

Computer Lab

The Department has a computer laboratory with LAN facilities and internet connectivity along with printers, scanner and LCD projectors for class room teaching.

DELNET Membership

E-resources, E-Shodh Sindhu, Open Access Resources.

Seminar Library

The seminar library has a collection of more than one thousand books, journals and conference proceedings.

Field Visit

The Department has a provision to visit modern libraries in Metropolitan cities in India to acquire hands-on experience and observe the functioning of modern libraries.

| Paper | Description | Lecture hour | Tutorial hour | H/W hour | Credit |
|------------------------|---|--------------|---------------|----------|------------|
| First Semester | | | | | |
| LIS 1016 | Library and Society | 4 | 1 | 1 | 6 |
| LIS 1026 | Organization of Knowledge (Theory) 1.2 (A) Library Classification 1.2 (B) Library Cataloguing | 4 | 1 | 1 | 6 |
| LIS 1036 | Reference and Information Sources and Services 1.3 (A) Reference and information Sources 1.3 (B) Reference and information Services | 4 | 1 | 1 | 6 |
| LIS 1046 | Organization of knowledge (Practice) (A) Library Classification (A1) Colon Classification (A2) Dewey Decimal Classification (B) Library Cataloguing: AACR 2R | 4 | 1 | 1 | 6 |
| LIS 1056 | Computer Application in LIS | 4 | 1 | 1 | 6 |
| Second Semester | | | | | |
| LIS 2016 | Management of Library and Information Centres | 4 | 1 | 1 | 6 |
| LIS 2026 | Information Communication & Information System and System Analysis Design (A) Information Communication & Information System (B) System Analysis Design | 4 | 1 | 1 | 6 |
| LIS 2036 | Preservation & Conservation and Library System (A) Preservation & Conservation (B) Library Systems (Elective: any one) (B1) Academic Library System (E) (B2) Public Library System (E) (B3) Special Library System (E) | 4 | 1 | 1 | 6 |
| LIS 2046 | Organization of Knowledge (Practice) Library Classification (A) Dewey Decimal Classification (B) Universal Decimal Classification | 4 | 1 | 1 | 6 |
| LIS 2056 | ICT Application in Library and Information System | 4 | 1 | 1 | 6 |
| Third Semester | | | | | |
| LIS 3016 | Research Methodology | 4 | 1 | 1 | 6 |
| LIS 3026 | Library & Users and Management Information System (A) Library & Users (B) Management Information System | 4 | 1 | 1 | 6 |
| LIS 3036 | Web resources and Bibliometrics & Webometrics (A) Web resources (B) Bibliometrics & Webometrics | 4 | 1 | 1 | 6 |
| LIS 3046 | Library Software Packages and Documentation Works (A) Library Software Packages (Theory) (B) Documentation Works (B1) Bibliographic project (B2) Job Diary and Library Visit Report | 4 | 1 | 1 | 6 |
| LIS 3056 | Software Packages (Practice) (A) CDS/ISIS and WINISIS (B) SOL | 4 | 1 | 1 | 6 |
| Fourth Semester | | | | | |
| LIS 4106 | Information Storage and Retrieval System | 4 | 1 | 1 | 6 |
| LIS 4026 | Digital Library System (theory) | 4 | 1 | 1 | 6 |
| LIS 4036 | Open Sources Software Packages (Practice) (A) KOHA (B) OJSpace or GSDL | 4 | 1 | 1 | 6 |
| LIS 40412 | Dissertation | 9 | 5 | | 12 |
| Total Credit | | | | | 120 |

N.B.:

- The first digit indicates the semester, the next two the course number and the fourth credit per week the course carries.
- (E) = Elective
- LIS 40412 Dissertation carries 12 Credits of 200 Marks.
- Value Added courses are excluded in this session.

LINGUISTICS

The Department

The Department of Linguistics aims at promoting the intrinsic and scientific study of language, with particular focus on the structure of the indigenous language of Assam, including Assamese. It seeks to foster, promote and establish a sound tradition of documentation, description and analysis of the indigenous language of the linguistically rich and diverse region of Assam, through teaching, research, training, consultancy and collaboration with institutions at the regional, national and international levels.

In an effort to revitalize the discipline and to attract bright students to the academic programme, the Department has collaborated with the allied Department of English Language Teaching (ELT) in offering an M.A. Programme in LELT (short for Linguistics and English Language Teaching) leading to an M.A. in Linguistics. The LELT Programme is interdisciplinary in nature and draws on the faculty strength of both the Departments. It has incorporated components of the earlier M.A. Linguistics course as well as new components that address contemporary concerns about the analysis and description of languages.

Profile

| | |
|-------------------------------|--|
| Year Established | : 1972 |
| Head of the Department | : Prof. Jyotiprakash Tamuli |
| Courses Offered | : M.A. in Linguistics : Ph.D. |
| Intake | : M.A. in Linguistics - 10 |
| M.A. (EL & ELT) | : 25 (3rd & 4th Semesters) |
| M.A. (Linguistics) | : 10 (3rd & 4th Semesters) |
| Contact | : The Head, Department of Linguistics 2nd Floor, New Academic Building, Gauhati University, Guwahati-781014 |
| Website | : www.gauhati.ac.in |

Eligibility

(a) Eligibility to apply

Graduates from SCIENCE, COMMERCE and ARTS are eligible to apply provided they fulfill (i) or (ii)

(i) Secured Major in English

(Candidates who fail to secure a minimum of 40% marks in English Major will not be eligible to apply)

(ii) If they have not opted for Major in English, they have scored at least 50% in English as a subject at graduation (or equivalent grade).

(b) Criterion for Selection

Selection is based on a two-hour Proficiency Test in English for 100 marks.

This test is intended to find out whether the applicant has the necessary level of command in the English Language required for the LELT Programme. The areas covered in the test will include the following areas : reading comprehension, written composition, dictation, grammar and vocabulary usage.

Since applicants from all three streams (Arts, Science and Commerce) are eligible to apply, the test will not be based on any formal knowledge of English Grammar or Linguistics.

General category applicants and reserved quota applicants must secure the minimum pass percentage of 50% and 45% respectively in the proficiency test in order to be considered for admission.

Further Information

For information regarding the Proficiency Test in English, Test Data and other matters relating to the course such as Career Prospects in Linguistics, interested applicants are advised to contact the coordinator of the LELT Programme or any other member of the teaching staff of the two concerned Departments. Further information is also available on the website of the Department.

Students interested in the Linguistics Option will have to take a qualifying test at the end of the second semester. This test seeks to determine their eligibility for this option with regard to their awareness of and sensitivity to the structure and analysis of language. The content of the Linguistics Option is firmly descriptivist in orientation. Through such course offerings and computer-assisted language analysis, the linguistics specialization seeks to encourage and promote significant research on various aspects of the indigenous languages of the region.

Faculty

Teaching and Research Interests

Professor

Jyotiprakash Tamuli, M.A. (PUNE), Ph. D. (READ) C'wealth Fellow (LANCS), (**Head of the Department**) Introductory Linguistics, Corpus Linguistics, Assamese Linguistics, Literacy and Language Education, English Grammar

Assistant Professor

Seuji Sharma, M.A. (GAU), Ph.D (GAU) Semantics, Assamese Linguistics, Lexicography.

Gitanjlai Bez, M.A. (GAU), Ph.D (GAU) Concordance Analysis, Linguistics Analysis Software, Historical Linguistics.

Krishna Boro, M.A. (GAU) Tibeto-Burman Linguistics, Descriptive Linguistics, Language Documentation.

Guest Faculty

Prafulla Basumatary, M.A. (GAU), Ph.D.(GAU) Multilingual Education, Language Analysis Software Teaching.

SYLLABUS STRUCTURE UNDER CBCS

| First Semester | | |
|-----------------|--|-------------|
| Course Code | Course Name | Course Type |
| LEL 1016 | Introduction to Language and Linguistics | Core |
| LEL 1026 | Phonetics and Phonology | Core |
| LEL 1036 | Introduction to Language Teaching | Core |
| LEL 1046 | Study Skills in English | Core |
| LEL 1054 | Academic Reading 1 | VA |
| Second Semester | | |
| LEL 2016 | Semantics | Core |
| LEL 2026 | Sociolinguistics | Core |
| LEL 2036 | Morphology and Syntax | Core |
| LEL 2046 | Introduction to Language Analysis | Core |
| LEL 2054 | Academic Reading II | VA |
| Third Semester | | |
| LIN 3016 | Functional Syntax 1 | Core |
| LIN 3026 | Linguistic Fieldwork | Core |
| LIN 3036 | Corpus Linguistics | Core |
| LIN 3046 | Historical Linguistics | Core |
| LIN 3056 | Language Analysis and Description - 1 | Open |
| LEL 3064 | Academic Writing 1 | VA |
| Fourth Semester | | |
| LIN 4016 | Functional Syntax II | Core |
| LIN 402 5 | Projects in Linguistics | Core |
| LIN 4036 | Lexicography | Core |
| LIN 4046 | Literacy and Language Education | Elective |
| LIN 405 6 | Language Analysis and Description - II | Open |
| LEL 4064 | Academic Writing II | VA |

Note :

LEL reflects the common component of the LEELT (Linguistics and ELT) Programme. This common component covers the first two semesters. Plus two proficiency courses in the third and fourth semesters.

In the Third and fourth semesters, the Linguistics Option is indicated by the letters **LIN**.

Employability

Being a research-oriented discipline, employment opportunities in Linguistics are rather specialized. However, the Central Institute of Indian Language, the Anthropological Survey of India and other Government Departments dealing with languages do offer some job openings. Two other areas within the discipline that offer potential employment opportunities are:

Language Education

This is related to the current widening of interest in Language Revitalisation and Multilingual Education

Corpus Linguistics

The emerging importance of Corpus Linguistics as a strong empirical methodology for handling huge amounts of computer readable language data has generated interest in the corporate sector, thereby offering possibilities of employment to students of linguistics

NET/JRF Support

The Department offers academic counseling and study materials to students interested in qualifying for NET/JRF examination conducted by the UGC.

Linguistic fieldwork

In an effort to enhance the students' skills of practical fieldwork involving collection, documentation and description of language data, the Department has entered into collaboration with linguistics from Summer Institute of Linguistics (SIL), National Scientific Research Centre of France (CNRS), Centre for Research on Language Diversity of Australia and the University of Oregon of the USA. As part of this initiative, several M.A. students have carried out linguistics fieldwork on Bodo, Mizo, Tai-Turung, Adi-Galo, Singpho, Ahom and Tangsa Naga along with experienced field linguistics from these organization.

Personality and skills development

The faculty members of both Departments make a conscious effort to build confidence in the students and develop their inner creativity through an interactive teaching-learning methodology which involves group-work, brainstorming and presentation. Students are offered guidance in enhancing their speaking and writing skills to enable them to face the demands of a competitive job market.

Encouraging native speaker linguistics

In line with current good practices in the field, the Department

actively encourages native speakers of the indigenous Tibeto-Burman languages of the North East to take up the study of their own languages. Several students who are native speakers of Bodo and Dimasá have shown much proficiency and promise in this regard during the last five years.

Achievements

Three teaching faculty members of the Department Gitanjali Bez, Krishna Boro and Prafulla Basumatary presented research papers at the SALA conference held in Lancaster University, U.K. (14-16 May, 2015). They also participated in a workshop on Fieldwork on South Asian Languages held at Uppsala University in Sweden (1-2 June, 2015) and presented research papers on Assamese and Bodo.

Facilities

Library

The Department has a good collection of textbooks and reference books on Linguistics for use by faculty and students.

Language Laboratory

The language laboratory has been set up recently with eight computers to enable students (i) to access internet resources on Language and Linguistics (ii) to acquire relevant skills on information and communication technology (ICT) relevant to the discipline (iii) to learn the use of software for linguistics analysis.

Field equipment

The department has digital audio recorders, digital cameras (still and video), laptops and some other equipment for linguistic fieldwork.

How to find us

The department of linguistics is located in the New Academic Building near the G.U. Market. It is in the eastern wing of the second floor of the building along with the Department of English Language Teaching.

MODERN INDIAN LANGUAGES & LITERARY STUDIES

The Department

In the post independent period different efforts were taken by the Indian thinkers as well as intellectuals to enhance the integrity among the Indian people. The Sahitya Akademi had published a series of regional literature under the title - Indian Literature. The All India Radio had also broadcasted a programme as Indian Literature under which the literature created in various regional languages were incorporated. By this time the Universities and the academicians of the country also involved in this process and tried to establish the concept of Indian literature. Under the leadership of Sir Ashotosh Mukharjee, the then Hon'ble Vice Chancellor of Calcutta University, the Department of Modern Indian languages was established for the first time among the Universities of India to build a bridge among the Indian Languages. Afterwards in all the leading Universities of India also started the Department of Modern Indian Languages.

The Department of Modern Indian Languages of Gauhati University was established in the year 1967 as a research department to promote this idea. The Department was shaped by Prof Satyendranath Sarma, the Tagore Professor of this department, an outstanding scholar in the field of literature, indology, culture and civilization of Assam. After a decade of existence, the department had horizontally expanded introducing several diploma courses. The M. Phil course in Assamese was also introduced in 1983-84. Later on, the importance of literary studies along with the languages is gradually realized by the scholars of Indian literature and the department also felt the necessity of expanding its vision towards the literary field. Keeping in mind the growing importance of the study of Comparative Indian Literature the department introduced the M. Phil programme on this subject in 2008. Again to make this mission more effective, the department has taken a bold step to introduce the full-fledged master degree course in Comparative Indian Literature from the year 2015 along with the existing Ph. D. research programme and other one year P.G. diploma courses such as Assamese, Odia, Tamil etc.,

The importance of literary studies along with the languages is gradually realized by the scholars of Indian literature and the department also felt the necessity of expanding its vision towards the literary field. Keeping in mind the growing importance of the study of Comparative Indian Literature the department introduced the M. Phil programme on this subject in 2008. Again to make this mission more effective, the department has taken a bold step to introduce the full-fledged master degree course in Comparative Indian Literature from the year 2015.

Graduate having major course in any Modern Indian Language or in English in degree course shall be eligible for admission into the course of M.A. Comparative Indian Literature.

Profile

Year of Establishment : 1967

Head of the Department : Prof. Dilip Borah

Courses Offered :

- MA in Comparative Indian Literature (CIL).
- Post Graduate Diploma in Assamese, Oriya and Tamil (Each one year).
- M. Phil in Comparative Indian Literature (CIL) (One Year).
- Ph.D.

| | | | |
|--------|---|--------------------------|----|
| Intake | : | MA in CIL : | 15 |
| | | M. Phil. in CIL : | 15 |
| | | PG Diploma in Assamese : | 15 |
| | | PG Diploma in Oriya : | 15 |
| | | PG Diploma in Tamil : | 15 |

Contact : The Head
Department of Modern Indian Languages and Literary Studies
Mobile: 9435552035
E-mail: dilipborah@gauhati.ac.in

Website : www.gauhati.ac.in

for admission into the course of M.A in Comparative Indian literature.

- For M. Phil, admission is held directly on the basis of an admission test and merit of the candidates.
- For PG Diploma course in Assamese, Oriya and Tamil admission is held directly on the basis of the merit of the graduated who are non-native speakers of these languages.

SYLLABUS STRUCTURE UNDER CBCS

| COURSE CODE | FIRST SEMESTER |
|---------------------------------------|---|
| CIL 1016 | Idea of Comparative Indian Literature (C) |
| CIL 1026 | Introduction to Indian Languages and Literature (C) |
| CIL 1036 | Introduction to Indian Culture (C) |
| CIL 1046 | Introduction to an Indian Language (Assamese) (E) |
| CIL 1056 | Introduction to an Indian Language (Oriya) (E) |
| CIL 1066 | Introduction to an Indian Language (Tamil) (E) |
| CIL 1076 | Introduction to an Indian Language (Nepali) (E) |
| CIL 1084 | Translation Studies (VA) |
| Theory: 50 + Translation Project : 50 | |

Eligibility :

- Graduate having major course in any Modern Indian Language or in English in degree course shall be eligible

| COURSE CODE | SECOND SEMESTER |
|-------------|--|
| CIL 2016 | Literary Criticism and Thoughts (C) |
| CIL 2026 | Concept of Linguistics (C) |
| CIL 2036 | Special Readings on Early Indian Literatures (C) |
| CIL 2046 | Special Reading on Modern Indian Narratives (C) |
| CIL 2054 | Text Editing (VA) |
| | Theory : 50 + Demonstration : 50 |

| COURSE CODE | THIRD SEMESTER |
|-------------|---|
| CIL 3016 | Ramayana Traditions in Indian Literatures (C) |
| CIL 3026 | Indian Fiction with Special Reference to the Freedom Movement (C) |
| CIL 3036 | Folk Elements and Modern Indian Drama (C) |
| CIL 3046 | Bhakti Movement and Indian Literature (C) |
| CIL 3054 | Asom Vidya (E&O) |

| COURSE CODE | FOURTH SEMESTER |
|-------------|--|
| CIL 4016 | Literatures beyond India (C) |
| CIL 4026 | Women in Literature (C) |
| CIL 4036 | Village Life in Modern Assamese Literature (E) |
| CIL 4046 | Influence & Reception : Special Study on Srimanta Sankardeva (E) |
| CIL 4056 | People's Movement : Reception in Assamese Literature (E) |
| CIL 4066 | Speech and Oratory (E & O) |

Specialization Offered :

Language, Literature and Culture

Faculty : Teaching and Research Interests

Professor :

Dilip Borah, M.A. (GAU), Ph.D. (GAU), (*Head of the Department*)

Comparative Indian Literature, Literary Criticism and Culture

Jyotsna K. Biswal Rout, M.A. (UTKAL), M.Phil. (UTKAL), Ph.D. (UTKAL), D.Litt. (UTKAL),
Comparative Literature and Culture.

Associate Professor

Mukul Chakravarty, M.A. (GAU), Ph.D. (GAU)
Language and Culture

Assistant Professor

Anuradha Sarma, M.A. (GAU), Ph.D. (GAU)
Language and Comparative Indian Literature

B. Vijayakumar, M.A. (Tamil), M.A. (Ling.) (AU), M.Phil. (ALU), Ph.D. (BDU)

Language and Linguistics

Khagen Sarmah, M.A. in Nepali (TU), Ph.D. (TU)
Language and Literature

Guest Faculty

Dr. Golakeswar Goswami, M.A. (GU), Ph.D. (GU)
Language and Literature

Total Marks :

| | |
|-----------------------|------|
| a) M.A. in CIL | 1600 |
| b) M. Phil | 600 |
| c) Assamese (Diploma) | 500 |
| d) Tamil (Diploma) | 500 |
| e) Oriya (Diploma) | 500 |

Facilities :

The Department has a good library containing textbooks and reference books in numerous Indian Languages besides Assamese and English.

How to find us :

The Department of Modern Indian Languages and Literary Studies is located in the double-storied building behind the Department of Business Administration and to the western side of the Department of Education.

Admission fee including examination fee for M.A. in Comparative Indian Literature (CIL), 1st & 2nd Semester for the session 2016-17 : ₹ 8000.00. The fee structure is same as that of M.A. in Assamese Course.

PERSIAN

The Department

The Department of Persian happens to be the only Department in the entire region of North East India to cater to the different. In addition to continuing the formal courses of learning in the subject, the Department also lays emphasis on promoting relations in the Persian speaking world, especially Iran, Afghanistan and the Central Asian countries in the fields of language, literature and culture by organizing international seminars, symposia and cultural exchange programmes. Importance is also given to pursue comparative and interdisciplinary studies, and several major research projects are being carried out in this field. The Department is facilitating to admit foreign students specially from Iran & Arab world here in G.U.

Profile

Year of Establishment : 1977

Head of the Department

: Prof. Mazhar Asif

Courses offered

: M.A. in Persian
Ph.D
P.G. Certificate Course in Persian
P.G. Diploma Course in Persian

Intake

: M.A. 10
PG Certificate 10
PG Diploma 10

Contact

: The Head Department of Persian
Tel: 9345118077

Email

: mazharasif@gmail.com

Website

: www.gauhati.ac.in/persian/

| | | |
|--------------------------------------|----------|-----------|
| P.G. Certificate Course (six months) | 3 Papers | 300 marks |
| P.G. Diploma Course (six months) | 3 Papers | 300 marks |

Faculty : Teaching and Research Interests

Professor

Rekibuddin Ahmed, M.A. (JNU) Ph.D. (JMI)
Modern Persian Literature

Mazhar Asif, M.A. (JNU), Ph.D. (JMI), (**Head of the Department**)
Sufism and Medieval History of India

Assistant Professor

Baharul Ali, M.A. (JNU), M.Phil., (JNU) Ph.D. (GAU)
Translation and Interpretation

Guest Faculty

Owahedur Zaman, M.A. (JNU), M.Phil (JNU), Ph.D. (JNU)
Modern Persian Literature & Advance Translation.

Sabina Begum Laskar, M.A. (GAU), Ph.D. (GAU)
Classical Persian literature and Grammar

Part-time Teacher

Syeda Mofida Begum, M.A. (GAU), Ph.D. (GAU)
Indo-Persian Literature

How to Find Us

The Department of Persian is located in an Assam-type house that is situated to the south of the Main Arts Building, along its left wing. It can be reached from the northern entrance of the Main Arts Building or alternatively, from the path leading from the eastern end of that building.

Eligibility

P.G. Certificate Course in Persian :

Graduates in any discipline from any recognized University having 40% in Major and 45% in General Course.

P.G. Diploma Course in Persian :

Graduates from any recognized University who have completed a six-month course in Persian.

Course Structure

M.A.

| | | | |
|---------------------|---------------|-------------|------------|
| 1st Semester | 5 papers | 500 | 30 credits |
| 2nd Semester | 5 papers | 500 | 30 credits |
| 3rd Semester | 5 papers | 500 | 30 credits |
| 4th Semester | 4 papers | 400 | 30 credits |
| Dissertation + Viva | | 100 | |
| Total marks | | 2000 | |
| | Total credits | | 120 |

SYLLABUS STRUCTURE UNDER CBCS

| Course | Course Name | Course Type | Lecture hour | Tutorial hour | H/W hour | Credit | Nature of the Course |
|------------------------|--|-------------|--------------|---------------|----------|--------|----------------------|
| First Semester | | | | | | | |
| PER 1016 | History of Persian Literature | Core | 5 | 1 | 6 | 6 | Graded |
| PER 1026 | Classical Persian Poetry | Core | 5 | 1 | 6 | 6 | Graded |
| PER 1036 | Classical Persian Prose | Core | 5 | 1 | 6 | 6 | Graded |
| PER 1046 | Philology & Pre-Islamic languages of Iran | Core | 5 | 1 | 6 | 6 | Graded |
| PER 1054 | Advance Communication skills in Modern Persian | Core | 5 | 1 | 6 | 6 | Graded |
| Second Semester | | | | | | | |
| PER 2016 | History of Persian Literature in India | Core | 5 | 1 | 6 | 6 | Graded |
| PER 2026 | Indo-Persian Poetry | Core | 5 | 1 | 6 | 6 | Graded |
| PER 2036 | Indo-Persian Prose | Core | 5 | 1 | 6 | 6 | Graded |
| PER 2046 | History of Sufism | Core | 5 | 1 | 6 | 6 | Graded |
| PER 2054 | Advance Communication Skills in Modern Persian | Core | 5 | 1 | 6 | 6 | Graded |
| Third Semester | | | | | | | |
| PER 3016 | Sufi Literature (poetry) | Core | 5 | 1 | 6 | 6 | Graded |
| PER 3026 | Sufi Literature (prose) | Core | 5 | 1 | 6 | 6 | Graded |
| PER 3036 | History of Modern Persian Literature | Core | 5 | 1 | 6 | 6 | Graded |
| PER 3046 | Modern Persian Poetry | Core | 5 | 1 | 6 | 6 | Graded |
| PER 3056 | Modern Persian Prose | | | | | | |
| PER 3064 | Persian as a Source of Indian History | Open | 5 | 1 | 6 | 6 | Graded |
| Fourth Semester | | | | | | | |
| PER 4166 | Comprehension & Rhetoric | Core | 5 | 1 | 6 | 6 | Graded |
| PER 4176 | Advance Grammar and Composition | Core | 5 | 1 | 6 | 6 | Graded |
| PER 4186 | Contemporary Persian World | Core | 5 | 1 | 6 | 6 | Graded |
| PER 4196 | Dissertation | Core | 5 | 1 | 6 | 6 | Graded |
| PER 4206 | Introduction to Sufism and its Impact in India | Open | 5 | 1 | 6 | 6 | Graded |

N.B.:

1. The first digit indicates the semester, the next two the course number and the fourth credit per week the course carries.
2. (C) Core Course
3. (E) = Elective Course

PHILOSOPHY

The Department

Because of the concerted efforts of the Department of Philosophy contrary to country-wide trends Philosophy has grown to be popular subject in the region. The Post Graduate Department at Gauhati University considers the Undergraduate Departments of Philosophy at Colleges affiliated to Gauhati University as its extensions and works in tandem with them.

The former students of this Department, now spread all over the country and abroad have brought good name for the University. The Department is developing Epistemology and Metaphysics, Contemporary Philosophy and Vivekananda Studies as thrust areas in Philosophy with an all-India standing. The Ph.D. Programme of the Department includes research on Philosophy of Mind, Person, Justice, Man, Religion and Social Philosophy among others. The Department brings out its own Journal, The students too have their own Journal, named Anvesika.

Profile

| | |
|-----------------------|---|
| Year of Establishment | : 1948 |
| Head of Department | : Prof. Begum Bilkis Banu |
| Course offered | : M.A. in Philosophy Ph.D. |
| Course through IDOL | : M.A. in Philosophy |
| Intake | : 72 |
| Contact | : The Head Department of Philosophy Tel. : 0361-2570342 |
| E-mail | : hodphil@gmail.com |
| Website | : www.gauhati.ac.in/ |

SYLLABUS STRUCTURE UNDER CBCS

| Semester | Course code | Course name | |
|----------|-------------|----------------------------------|-------|
| | PHI 118 | Theory of knowledge - Indian | (C) |
| | PHI 128 | Theory of knowledge - Western | (C) |
| | PHI 138 | Logic I | (C) |
| | PHI 148 | Phenomenology and existentialism | (C) |
| I | PHI 2310 | Theory of reality - Indian | (C) |
| | PHI 2328 | Theory of reality - Western | (C) |
| | PHI 2336 | Analytic Philosophy | (C) |
| | PHI 2340 | Comparative religion | (C) |
| | PHI 2318 | Moral ethics | (C) |
| | PHI 2328 | Logic I | (C) |
| | PHI 2338 | Philosophy of religion | (C) |
| | PHI 2348 | Deontology | (E) |
| | PHI 2356 | Vedanta philosophy | (E) |
| | PHI 2366 | Philosophy of Gandhi | (OE) |
| IV | PHI 4316 | Post-Modernism | (C) |
| | PHI 4328 | Contemporary Indian Philosophy | (C) |
| | PHI 4036 | Philosophy of Mind | (C) |
| | PHI 4048 | Kant | (E) |
| | PHI 4056 | Existential Philosophy | (E) |
| | PHI 4068 | Logical Reasoning | (E/O) |

Faculty : Teaching and Research Interests

Professor

Begum Bilkis Banu, M.A.(NEHU), M.Phil. (NEHU), Ph.D. (NEHU), (**Head of Department**)
Philosophy of Mind. Ethics, Logic.

Manisha Barua, M.A.(GAU), Ph.D. (GAU)
Contemporary Indian Philosophy Comparative Religion and Gandhian Thought.

Sibnath Sarma, M.A.(GAU), Ph.D. (GAU)
Vedanta, Philosophy of Religion, Wittgenstein.

Girish Sharma, M.A.(GAU) Ph.D. (GAU)
Indian Logic, Kant, Contemporary Indian and Tribal Studies.

Sauravpran Goswami, M.A.(GAU), M.Phil. (GAU), Ph.D. (GAU)
Logic, Philosophy of Mind, Contemporary Western Philosophy.

Associate Professor

Shakuntala Bora, M.A. (NEHU), Ph.D. (NEHU)
Jiddu Krishnamurti, Philosophy of Gita, Early Buddhism, Philosophy of Mind.

Assistant Professor

Akoijam Thoibisana, M.A. (NEHU), Ph.D. (IITG)
Phenomenology, philosophy of the Embodimental Person body, Philosophical studies of the North-East India.

Clubs and Societies

The G.U. Philosophical Forum was set up with the objective of popularizing philosophical thinking through seminars and extension work.

Facilities

Departmental Library
Computer and internet facilities for students and research scholars.

POLITICAL SCIENCE

The Department

The Department of Political Science established in the year 1958, is regarded as the pioneer of teaching and research in Political Science in the North-eastern region. The Department has produced over the years a large number of alumni who have made their mark in various fields of public life including higher education, administration, politics and social work. In its continuous efforts to achieve higher echelons of academic performance, the Department has received recognition from the University Grants Commission as a Department of Excellence under the coveted Special Assistance programme (SAP : 2009 - 14) and innovative programme, besides conducting several national and international collaborative research activities primarily focused on the North Eastern region. The Department has now been awarded DRS II under SAP for the period 2015-20.

The vision of the Department is to set up a symbiotic relationship and a vibrant network with institutions of higher learning and research in the subject are regional and international levels to achieve higher academic excellence and to strengthen its societal interface while anchoring firmly to the issues, needs and aspirations of the people of the North East.

Profile

Year of Establishment: 1958

Head of the

Department : Prof. Nani Gopal Mahanta

Courses offered : M.A. in Political Science

Ph.D in Political Science

Course through IDOL : M.A. in Political Science

Intake : M.A. 60

Ph.D 15 (approx)

Location : New Academic Building

1st Floor, Eastern Side

Contact : The Head Department of Political Science

Website : www.gauhati.ac.in/Political_Science/

CBCS Course Structure

| Semester-I | | | |
|----------------------|-------------|--|-----------|
| Course No. | | Name of Paper | Credits |
| POL 1016 | Core | Name of Paper | 6 |
| POL 1026 | Core | Political Thought in Modern India | 6 |
| POL 1036 | Core | International Relations-I | 6 |
| POL 1046 | Core | Public Administration-I | 6 |
| POL 1054 | Value Added | Introduction to Corporate Social Responsibility | 4 |
| Total Credits | | | 28 |
| Semester-II | | | |
| POL 2016 | Core | Political Theory-I | 6 |
| POL 2026 | Core | Political in India | 6 |
| POL 2036 | Core | International Relation-II | 6 |
| POL 2046 | Core | Public Administration-II | 6 |
| POL 2054 | Value Added | Introduction to Negotiations and Dispute settlement mechanisms | 4 |
| Total Credits | | | 28 |

| Semester-III | | | |
|----------------------|----------------|---|------------------------------------|
| POL 3016 | Core | Political Theory-II | 6 |
| POL 3026 | Core | Research Methodology-I | 6 |
| POL 3036 | Elective | Politics of Social and New Social Movement | 6 |
| POL 3046 | | Indian Foreign Policy : Issues and challenges | 6 |
| POL 3056 | | Gender and Politics | 6 |
| POL 3066 | | Comparative Public Administration | 6 |
| POL 3076 | | Political Ideas and Ideologies | 6 |
| POL 3086 | | Democracy and Multiculturalism | 6 |
| POL 3096 | | Ectrive/ Open | Politics or Ethnicity and Identity |
| POL 3104 | Value Added | Leadership Studies | 4 |
| Total Credits | | | 28 |
| Semester-IV | | | |
| POL 4016 | Core | Comparative Political Analysis | 6 |
| POL 4026 | Core | Research Methodology-II | 6 |
| POL 4036 | Elective | Political Ideas and Thought in Assam | 6 |
| POL 4046 | | India & Its Neighbours | 6 |
| POL 4056 | | Issues in World Politics | 6 |
| POL 4066 | | Environment and Politics | 6 |
| POL 4076 | | Development Studies | 6 |
| POL 4086 | | Elections in India | 6 |
| POL 4096 | Elective/ Open | Human Rights | 6 |
| POL 4104 | Value Added | NGOs and Public Services | 4 |
| Total Credits | | | 28 |

Note :

- In the **First Semester**, students will be offered 5 papers (core-4, value added-1)
- In the **Second Semester**, students will be offered 5 papers (core-4, value added-1)
- In the **Third Semester**, students will be offered 5 papers (core-2, elective-2, value added-1). Open course is made available to the students of the Department of Political Science as well as other departments. Value added paper is open to all students.
- In the **Fourth Semester**, students will be offered 5 papers (core-2, elective-2, value added-1). Open course is made

available to the students of the Department of Political Science as well as other departments. Value added paper is open to all students.

Kindly take note, the Department seeks to introduce FIELD STUDY for Fourth Semester students as part of their RESEARCH METHODOLOGY paper. In this regard, kindly look into the issue of 'fee structure'.

(b) Ph.D. in Political Science

The Ph.D. programme consists of six months course work, which includes presentations and term end evaluation.

UGC Special Assistance Programme(SAP)

The Department has achieved recognition from the University Grants Commission under the Special Assistance Programme (SAP). Department of Political Science successfully completed the DRS I (2009-14) under UGC Special Assistance Programme and it has now been awarded the DRS II for the period 2015-2020. The Thrust area for the present phase is **Democracy and Institutions of Governance in Northeast India : Structures, Process and Performances in the post-liberalization phase**. The Department proposes to work on the following institutions under the thrust area.

- Legislative Assembly
- Sixth Schedule
- PRIs & Municipalities
- Traditional Institutions
- Bureaucracy & Police
- Judiciary
- Statutory Commissions

The Department also encourages its students to actively participate in extra-curricular activities. As part of this philosophy, cultural programmes were organized by the students during the National Seminars, showcasing the rich cultural diversity of the North Eastern region.

Faculty : Traching and Research Interests

Professor

Nani Gopal Mahanta, M.A. (JNU), M.A. (UC BERKLEY), Ph.D. (GAU), (*Head of the Department*)
South Asia, Peace and Conflict Studies Ethnic Studies

Monirul Hussain, M.A. (AMU), M.Phil. (JNU), Ph.D. (JNU), (Re-employed) POST DOCTORATE (OXFORD)
Political Sociology, Development Studies, Social and Political Movements, Forced Migration.

Sandhya Goswami, M.A. (JNU), M.Phil. (JNU), Ph.D. (GAU), (Re-employed)
Democracy & Election Studies in India, Research Methodology, Environmental Politics.

Alaka Sarmah, M.A. (NEHU), M.Phil. (NEHU), Ph.D. (NEHU)
Political Theory, Gender and Politics, Ethenic Studies.

Akhil Ranjan Dutta, M.A. (Delhi Univ.), M.Phil. (Delhi Univ.), Ph.D. (GAU)

Political Economy, Human Security

Associate Professor

Jayanta Krishna Sarmah, M.A. (GAU), LL.B. (GAU), Ph.D. (GAU)

Public Administration, Panchayati Raj System.

Dhruba Pratim Sharma, M.A. (JNU), M.Phil. (JNU), Ph.D. (JNU)
Political Sociology, Public Administration, Ethnic Studies.

Assistant Professor

Shubharajeet Konwer, M.A. (JNU), M.Phil. (JNU), Ph.D. (GAU)
International Politics, India Politics.

Barasa Deka, M.A. (JNU), M.Phil. (JNU)
Political Theory, Gender Studies, Indian Politics.

Joanna Mahjebeen, M.A. (JNU), M.Phil. (JNU)
Political Theory, Gender Studies.

Vikas Tripathi, M.A. (JNU), M.Phil. (JNU)
Indian Politics.

Employability

Students have bright prospects of employment in various public institutions including administrative, legal, educational, media and non-governmental sectors. A good number of students of the department have qualified in Union and State Public Service Examinations.

Alumni

The Department of Political Science has an Alumni Association with the Head of Department as its ex-officio President.

NEF/JRF

Over the last five years, a good number of our students have cleared the UGC-NET. About ten of our researches are presently holding JRFs under ICSSR and nine researchers are holding UGC-JRFs.

Facilities

Library

The Department possesses a well-stocked library that houses books and important journals/magazines required for the PG and Ph.D. courses. Besides getting assistance from SAP and the University the library has been enriched with generous contributions from individuals including ex-students and national and international organizations.

Computer Lab

A computer lab has also been set up under the UGC SAP Programme to enable the students and research scholars to have better access to on-line journals and other resources.

PSYCHOLOGY

The Department

The Department of Psychology was established in 1986 with Prof. K. P. Bora as its founder Head. Since then it has been conducting the 2yrs. MA/MSc semester course in Psychology for students drawn from Diverse subjects such as psychology, philosophy, education, medicine and nursing. The Ph. D. programme was also started a couple of years later.

The importance of psychology is well established in the fields of education, medicine and management studies, but recently the importance of the subject has grown to include many areas such as artificial intelligence, environment, criminology, etc. The approach in most areas has also turned toward an interdisciplinary one and psychological principles have come to play an important role in practically all areas of specialization. As such the Department of Psychology at Gauhati University is a beginning to imparting instruction in a field which is expected to become increasingly important in the future.

Profile

Year of Establishment : 1986

Head of the Department : Prof. Indranee Phookan Borooh
Tel : (Mob) 094351 00018

Courses offered : M.A./M.Sc. in Psychology,
Ph.D.
Six-months Certificate Course in Psychological Counselling

Intake : M.A./M.Sc.-28
Cert. in Psychological Counselling -20

Location : New Arts Building,
Above Disability Studies

Contact : Prof. I.P. Borooh
Tel : (Mob) 094351 00018

Website : www.gauhati.ac.in/Psychology

Courses and Programmes

Postgraduate Courses M.A./M.Sc. in Psychology

Eligibility

Students having B.A. degree in the 10+2+3 pattern with Major in Psychology, Philosophy, Education, Social Work and Home Science are eligible for admission. There is also quota for Medical graduates (M.B.B.S., B.A.M.S., B.H.M.S.) and Nursing graduates (B.Sc. Nursing)

All candidates are required to appear in a written entrance test comprising of one paper of 100 marks and of 2-hour duration, conducted by the Department. The syllabus for the test includes General Knowledge and Current Affairs, Psychology, Education and Philosophy TDC Level. **Students with major in Psychology will be given first preference.**

Course Structure

| | | | |
|-------------------------------------|---|--|------|
| Semester-wise distribution of marks | | | |
| 1st Semester and 2nd Semester | = | | 800 |
| 3rd Semester and 4th Semester | = | | 800 |
| Total marks | = | | 1600 |

Certificate Course in Psychological Counseling

Started in 2011, the Certificate Course is open to graduates from all fields although preference is given to those who are working in the field of mental health.

Course Coordinator : Dr. Manidepa Baruah

Research

Social Psychology, Clinical Psychology, Health Psychology, Cognitive Psychology, Developmental Psychology, etc.

Guides

- Prof. Indranee Phookan Borooh
- Dr. R. R. Talukdar
- Dr. Manidipa Baruah
- Dr. Mala Chaliha Talukdar
- Dr. Dipesh Bhagabati

Project (Completed)

Influence of Developmental Programmes of Various Agencies on Public Perception : An Attitudinal Survey.

Principal Investigator – Dr. Indrani Phookan Borooh, Funded by Defence Institute of Psychological Research, New Delhi, 2005.

Quality of Elementary Education among Tribal Children of Meghalaya : An Analytical Study.

Principal Investigator – Dr. R. R. Talikdar; Co-Investigator - Dr. N.C. Das Funded by NCERT, New Delhi.

Project (Completed)

Global Fund for AIDS, Tuberculosis and Malaria, Round 7, Counselling Component, Project “Saksham” funded by Global Fund, Geneva, for training and supportive supervision of HIV/AIDS Counsellors under State AIDS Control Societies of North East India.

Faculty-in-Charge : Prof. Indranee Phookan Borooh.

Specialization

Clinical Psychology

Faculty : Teaching and Research Interests

Professor

Indranee Phookan Borooh [Head of the Department]

M.A.(GAU), PH.D. (GAU), ADV. DIP. IN PSYCH. COUNSELLING (CHENNAI)

Specialization : Social Psychology, Environmental Psychology, Developmental Psychology, Counselling Psychology,

Research Area : Social Psychology, Environmental Psychology, Developmental Psychology, Counselling Psychology, Applied areas of Psychology including Loneliness, Moral Reflection, Adolescence, Peace, Spirituality and Social Issues.

Associate Professor

Rita Rani Talukdar, M.A. (GAU), PH.D. (GAU)

Specialization : *Clinical Psychology, Cognitive Psychology*

Research Areas : *Clinical Psychology, Cognitive Psychology of Learning and Memory; Occupational Stress, Cognitive Development, Group Counselling, Alcoholism, Adjustment of Adolescence, Depression, Psychological Capital, Positive Mental health, life satisfaction.*

Assistant Professor

Manidipa Baruah, M.A. (GAU) LL.B. (GAU) PH.D. (GAU) ADV. DIP. IN PSYCH. COUNSELLING (CHENNAI)

Specialization : *Clinical Psychology, Social Psychology*

GUEST FACULTY

Tamanna Goswami, M.A. (GAU), Ph.D. (GAU)
Statistics, Clinical Psychology.

Kakali Goswami, M.A. (J.M.I., Delhi), Ph.D. (GAU)
Research Methodology, Organizational Psychology

Jerina Begum, M.A. (GAU), Ph.D. (GAU),
Counselling Psychology, Psychopathology.

Kastury Kotoky, M.A. (GAU)
Research Methods and Statistics

Placement

Students who have passed from this Department are serving in various Govt. and Non Govt. Organisation in Assam, as Psychologist, Psychological Counselors, teachers and officers. Some such organizations are N.F. Railway, B. Barooah Cancer Institute, Gauhati Medical College, Assam Institute of Medical Health, Composite Rehabilitation Centre, Regional Nursing College, NIPCCD, State Hospitals, Private Hospitals, Blood Banks, Department of Social Welfate, Dibrugarh University, Nagaland University, Colleges, Schools etc.

SANSKRIT

The Department

The Department of Sanskrit, one of the oldest departments of Gauhati University, established in the year 1957 has been conducting M.A. M.Phil, Ph.D. programme. Being the pioneer in the North East Region, the department has produced over the years a large number of alumni who have made their marks in various fields of public life. In its continuous efforts to achieve higher strata of academic performance, the Department has received recognition from the University Grants Commission as a Department of Excellence under Special Assistance Programme (SAP). Besides these, the department is conducting several interdisciplinary collaborative research activities. The mission of the Department is to train up students in the study of Sanskrit language and literature by developing professional competence in them through teaching, research and extension programme with local and national bodies.

Profile

Year of Establishment: 1957

Head of the

Department : Prof Manjula Devi

Courses offered : M.A. in Sanskrit

M.Phil.

Ph.D.

Intake : M.A. 70

M.Phil 10

Location : New Academic Building
Ground Floor

Contact : The Head, Department of
Sanskrit

Website : www.gauhati.ac.in/Sanskrit/

SYLLABUS STRUCTURE UNDER CBCS

| Semester | Course code | Course Title |
|----------|-------------|--|
| I | Skt 1016 | Sruti and Smrti Literature (C) |
| | Skt 1026 | Paninian Grammar (C) |
| | Skt 1036 | Nyaya-Vaisesika and Vedanta Philosophy (C) |
| | Skt 1046 | Khandakavya and Nataka (C) |
| | Skt 1054 | Functional Sanskrit - 1 (VA) |
| II | Skt 2016 | Brahmana and Vedanga Text (C) |
| | Skt 2026 | Sanskrit Poetics (C) |
| | Skt 2036 | Grammar and Philology (C) |
| | Skt 2046 | Srimdbhagavadgita and Philosophies of Samkhya and Yoga (C) |
| | Skt 2054 | Functional Sanskrit - II (VA) |
| III | Skt 3016 A | Sanskrit Poetics (C) |
| | Skt 3026 A | Sanskrit Drama (C) |
| | Skt 3036 A | Bhagavatapurana and Mahakavya (C) |
| | Skt 3046 B | Samhita and Vedanga Literature (C) |
| | Skt 3056 B | Brahmana, Upanisad and Vedic Grammar (C) |
| | Skt 3066 B | History of Vedic Literature and Allied Texts(C) |
| | Skt 3076 C | Upanisadic Literature (C) |
| | Skt 3086 C | Advaitavedanta Philoshphy (C) |
| | Skt 3096 C | Nastika Philosophy (C) |

| | | |
|----|------------|---|
| | Skt 3106 | Epics and Puranas (E) |
| | Skt 3116 | Fundamentals of Sanskrit Language and Literature (O) |
| | Skt 3124 | Manuscriptology - I (VA) |
| IV | Skt 4016 A | Sanskrit Poetics (C) |
| | Skt 4026 A | Sanskrit Literature and Arthasastra (C) |
| | Skt 4036 A | Modern Sanskrit Poems (C) |
| | Skt 4046 B | Vajasaneyisamhita, Chandogyopanisad and Brhaddevata (C) |
| | Skt 4056 B | Atharvaveda and Sutra Literature (C) |
| | Skt 4066 B | Satapatha Brahmana and Ritualistic Texts (C) |
| | Skt 4076 C | Samkhya-Yoga Philosophy (C) |
| | Skt 4086 C | Nyaya-Vaisesika and Mimamsa Philosophy (C) |
| | Skt 4096 C | Advaita Epistemology and Contemporary Indian Philosophy (C) |
| | Skt 4106 | Contemporary Works on Sanskrit Literature (E) |
| | Skt 41 16 | Sanskrit and Various Branches of Learning (O) |
| | Skt 4124 | Manuscriptology -II (VA) |

Notes :

- The first digit indicates the Semester, the next two digits indicate the course number, and the fourth digit indicates the credit per week, the course carries.
- (C) = Core
(E) = Elective, in lieu of Open Course, for the students, who will not get a chance for studying Open Course in other Departments. (O) = Courses open for students of other disciplines (VA) = Value Added Course
- The students of the third and the fourth Semester have to opt for the core papers, from the groups A, or B, or C.

Faculty : Teaching and Research Interests

Professor

Manjula Devi, M.A. (GAU), Ph.D. (GAU), (**Head of the Department**)
Vedic Literature and Allied Subjects

Rajendra Nath Sarma, M.A. (GAU), Ph.D. (GAU), D.Litt. (GAU)

Mimamsa Vyakarana Shastri (Assam Sanskrit Board) Dip. In French (GAU) *Darshana Vyakarana Literature*.

Nalini Devi Mishra, M.A. (GAU), Ph.D. (GAU), Cert. in German (Max Muller Bhavan. Delhi)
Vedic Literature and allied subject.

Sujata Purkayastha, M.A. (GAU), Ph.D. (GAU)
Vedavyakarana Shastri (Assam Sanskrit Board), (Old and New), Cert. in French Darshana.

Dipak Kumar Sarma, M.A. (GAU), Ph.D. (GAU)
Sanskrit literature and allied subjects (on Lien)

Mukta Biswas, M.A. (GAU), M.Phil. (GAU), Ph.D. (GAU)
Darsana (Old and New), Purana Literature.

Shrutidhara Chakravarty, M.A. (GAU), Ph.D. (GAU),
Cert. In German, Cert. in Prakrit
Sanskrit Literature and allied subjects.

Associate Professor

Hiran Sarmah, M.A. (GAU)
Darsana and Allied Subjects.

Upama Barman Deka, M.A. (GAU) (Double), Ph.D. (GAU)
Vedic Literature and Allied Subjects.

Sudeshna Bhattacharjya, M.A. (GAU), Ph.D. (GAU),
Kavya-Vyakarana-Sastri (Assam Sanskrit Board), Sanskrit
Literature and Allied Subjects.

Kameshwar Shukla, M.A. (MG Kashi VID.), B.Ed (SSU),
Ph.D. (GAU)
Vyakarana Sastri (Assam Sanskrit Board), *Sanskrit
Literature and Allied Subjects*.

Assistant Professor

Jagadish Sarma, M.A. (GAU), B.Ed. (GAU), M.Phil. (GAU), Ph.D. (GAU), Dip. In Hindi, Cert. in Urdu
Vedic Literature and allied subjects.

Binima Bujarbarua, M.A. (GAU), LL.B., Ph.D. (GAU)
Sanskrit Literature and Allied subjects.

Employability

Students are employed as teacher in Schools, Colleges, Universities, as translator in High Courts and the Parliament, as Archival Assistants in libraries, as News Readers in the AIR and Doordarshan, in Government Departments (Assam State Museum, Department of Historical and Antiquarian Studies, Assam State Secretariat), in the Print Media, and in the Civil Services of the State and the Centre.

Journal

Surabharati is an annual peer -reviewed journal of the Department. Besides the Department publishes an annual bilingual research journal of the Research Scholar's Forum. Department of Sanskrit, which serves as a platform for publication of their research-oriented writings.

Alumni Association

Surabharati Samsad

Endowment Lectures

Krishnakanta Handiqui Memorial Lecture (annual)

Jogiraj Basu Memorial Lecture (annual)

Both lectures are held regularly with the financial help from the University.

Scholarships/Prizes Awarded

Scholarships from the Rashtriya Sanskrit Sansthan, New Delhi, ICHR, and State Govt. Scholarship are received for P.G. and Ph.D. students.

NET/SLET

Over the past years, a good number of students have passed the NET, SET/SLET examinations and have been awarded Junior Research Fellowship (JRF), conducted by University Grants Commission.

Facilities

The Departmental library has over 4,000 books on Indology and on various subjects, and is accessible to the students. The Department has a computer laboratory with internet facility, which is accessible to the students.

SOCIOLOGY

The Department

The Department of Sociology has been cognizant of the long-felt demand for the scholastic pursuit in the discipline of Sociology at the University level in the region of Assam, and for promoting an in-depth understanding and research of the various issues of North East India contextualized in the region and global milieu and necessitated by contemporary developments. It has traversed its journey by starting off as an M.A. Programme in Sociology in the academic session 2009-10 under the auspices of the Department of Political Science.

Geared with a vision since its inception to progress to a Department of Sociology, the University is proud to have materialised it. 2011 marks a milestone when the M.A. Programme in Sociology attained the status of a post graduate programme in the Department of Sociology, which simultaneously comes into being.

Profile

Year of Establishment : 2009

Head of the

Department : Dr. Shabeena Yasmin Saikia

Programmes Offered : M.A.

Ph.D.

Intake : M.A. 45

Location : New Academic Building

Second Floor

Contact : Dr. Kaberi Das

E-mail : kaberi.das@gauhati.ac.in

Assistant Professor (Contractual)

Pamidi Hagjer, M.A. (JNU)
Sociological Theory, Criminology

Ritwik Rupam Sarma, M.A. (GU)
Social Movement, Society and Social change in Assam.

Guest Faculty

Sangeeta Das, M.A. (TEL. UNI)
Sociology of Ethnicity

Karabi Talukdar, M.A. (GU)
Social Movements, Sociology of India

Upashana Duarah, M.A. (GU)
Perspective on Indian Society

Vision & Goal (and Employability)

The M.A. programme is designed to provide to the students an intensive orientation on sociological perspectives and a wide disciplinary gamut to choose from their specialized interests. Its focus is to train students to develop critical understanding and to nurture in them the basic competency for conducting rigorous research so that they can enable themselves to be the next generation of social scientists and to be able to chart their courses in academics, government and the non-profit sector or private industry, such as NGOs, media, industry, health, education, public service, etc. to mention a few.

A thorough understanding in Sociology enables one to grasp the divergent and the seemingly complex multifarious social issues from a holistic perspective and, thus, to extend their knowledge to other disciplines, particularly of the Humanities and Social Sciences. Therefore, continuous innovation and curriculum designing oriented to multidisciplinary perspective is another hallmark of this programme.

Students who have gained a master's degree in other areas of Humanities and Social Sciences have pursued M.A. in Sociology in this Department, and several others have also been absorbed in social research projects and teaching positions. An optional paper in the 4th semester on Dissertation on any topic of choice strives to further develop the research acumen of the students and derive experience so that they may explore and find gainful engagement in social research in the future.

Additionally, Sociology is considered a viable option for students aspiring to appear in competitive examinations conducted by the UPSC, APSC and others.

Facilities

The Department is housed in the New Academic Building. It

Eligibility

Graduates from any discipline with 45% marks only can apply for this course. Candidates applying under reserved quota (SC/ST/OBC/MOBC) shall be given a relaxation up to 5% of the marks prescribed for admission. Successful candidates will be screened through a written test.

Faculty: Teaching and Research Interests

Associate Professor

Shabeena Yasmin Saikia, M.A. (DELHI), Ph.D. (GAU), (Head of the Department)

Ethnicity and Social Change, Methodology of Social Research, Sociological Theory

Assistant Professor

Kaberi Das, M.A. (Delhi University), M.Phil-Ph.D. (TISS Mumbai)

Gender Studies, Migration, Urban Sociology, Rural Sociology

Part-time Faculty

Professor

Monirul Hussain, M.A. (AMU), M.Phil. (JNU), Ph.D. (JNU), Post Doctorate (Oxford)

Political Sociology, Development Studies, Social Movements and Forced Migration.

Assistant Professor (Part time)

Bidula Sarma, M.Sc. (GU), M.Ed. (G.U.)

Social Statistics

has seminar hall and a small Department Library with a good collection of books. Computers and internet facility are available for use by the students.

Students and Alumni

Every year several of its students have been qualifying the UGC-NET and also UGC-NET-JRF.

Research Scholars

The research scholars enrolled in the Doctoral programme are working on the diverse issues of identity, marginalization, urban space, rituals and gender, comparative ethnography of the communities of Assam, Nepal etc.

SYLLABUS STRUCTURE UNDER CBCS

| SEMESTER - I | | | |
|----------------------|---------------|--|-----------|
| COURSE NUMBER | | NAME OF THE PAPER | CREDITS |
| SOC1016 | CORE | SOCIOLOGICAL THEORY-1 | 6 |
| SOC1026 | CORE | RESEARCH METHODOLOGY-1 | 6 |
| SOC1036 | CORE | STUDY OF SOCIOLOGICAL TEXT-1 | 6 |
| SOC1046 | ELECTIVE | PERSPECTIVE ON INDIAN SOCIETY | 6 |
| SOC1056 | ELECTIVE | POPULATION AND SOCIETY | 6 |
| SOC1064 | VALUE ADDED | ENVIRONMENT AND SOCIETY | 4 |
| TOTAL CREDITS | | | 28 |
| SEMESTER - II | | | |
| SOC2016 | CORE | SOCIOLOGICAL THEORY-2 | 6 |
| SOC2026 | CORE | RESEARCH METHODOLOGY-2 | 6 |
| SOC2036 | CORE | STUDY OF SOCIOLOGICAL TEXT-2 | 6 |
| SOC2046 | ELECTIVE | RURAL SOCIETY IN INDIA | 6 |
| SOC2056 | ELECTIVE | SOCIOLOGY OF CHANGE | 6 |
| SOC2064 | VALUE ADDED | SOCIOLOGY OF SCIENCE AND TECHNOLOGY | 4 |
| TOTAL CREDITS | | | 28 |
| SEMESTER-III | | | |
| SOC3016 | CORE | SOCIOLOGICAL THEORY RECENT DEVELOPMENT-3 | 6 |
| SOC3026 | CORE | SOCIOLOGY OF INDIA-1 | 6 |
| SOC3036 | ELECTIVE | GENDER AND SOCIETY-1 | 6 |
| SOC3046 | ELECTIVE | URBAN SOCIETY IN INDIA | 6 |
| SOC3056 | ELECTIVE | SOCIOLOGY OF SOUTH ASIA-1 | 6 |
| SOC3066 | ELECTIVE | SOCIOLOGY OF RELIGION | 6 |
| SOC3076 | ELECTIVE | CRIMINOLOGY | 6 |
| SOC3086 | ELECTIVE/OPEN | DEVELOPMENT STUDIES | 6 |
| SOC3094 | VALUE ADDED | SOCIOLOGY OF PLURALISM AND NATIONALISM | 4 |
| TOTAL CREDITS | | | 28 |
| SEMESTER - IV | | | |
| SOC4016 | CORE | SOCIAL AND NEW SOCIAL MOVEMENTS | 6 |
| SOC4026 | CORE | COMPREHENSIVE VIVA-VOCE* | 6 |
| SOC4036 | ELECTIVE | GENDER AND SOCIETY-2 | 6 |
| SOC4046 | ELECTIVE | SOCIOLOGY OF SOUTH ASIA-2 | 6 |
| SOC4056 | ELECTIVE | SOCIOLOGY OF INDIAN DIASPORA | 6 |
| SOC4066 | ELECTIVE | SOCIOLOGY OF INDUSTRY | 6 |
| SOC4076 | ELECTIVE | SOCIOLOGY OF ETHNICITY AND IDENTITY | 6 |
| SOC4086 | ELECTIVE | DISSERTATION | 6 |
| SOC4096 | ELECTIVE/OPEN | SOCIETY AND SOCIAL CHANGE IN ASSAM | 6 |
| SOC4104 | VALUE ADDED | GLOBALIZATION AND SOCIETY | 4 |
| TOTAL CREDITS | | | 28 |

*TO BE CONDUCTED IN THE PRESENCE OF AN EXTERNAL EXAMINER AND THE FACULTY AT THE END OF THE FOURTH/FINAL SEMESTER.

Note :

- In the First & Second Semester, students will be offered 5 papers (core-3, elective-1, value added-1)
- In the Third & Fourth Semester, students will be offered 5

papers (core-2, elective-1, elective/open-1, value added-1). Open course is made available to the students of the Department of Sociology as well as other departments.

- Dissertation can be on any topic of choice in consultation with the supervisor.
- Students need to choose only one elective in each semester from the choices given in each semester.

WOMEN'S STUDIES

The Department

The Department of Women's Studies, Gauhati University was established in the year 2009. The field of Women's Studies is a growing reflection of the changes that are taking place in the realm of academics worldwide. Women's Studies as an academic discipline appeared for the first time in the United States in the second half of the 1960s as the educational wing of feminism. Women's Studies pointed out that women tended to be invisible from academics because emphasis was always laid on important men and men's ideas and interests. It also questioned the ways in which conventional androcentric knowledge accepted by society has concealed the lives and experiences of women. Women's Studies, therefore, aims to develop new ways of thinking about research and constructing knowledge which would be sensitive to women's circumstances and perspectives. Inter-disciplinarity, reflexivity and nonconformity demarcates Women's Studies from other traditional disciplines.

The mission of the Department is to train students and research scholars in thinking critically about society and gender based discriminations. The attempt would not only be to create socially sensitive and responsible individuals but also to mainstream gender issues at all levels. In this venture, concepts, theories and research methodologies used by feminist scholars would be familiarized to students. Papers on specific disciplines are offered to demonstrate how disciplines have changed when encountering the challenge of exclusion of women. Class room teaching in the Department would be supplemented with tutorial classes which are intended not only to be doubt clarification sessions but also as a platform for exchange of thoughts and ideas. Term papers, seminars, field study, book reviews and movie screenings are planned to ingrain an environment of academic rigour which prepares a strong foundation for future teachers and researchers.

Profile

| | |
|--------------------------|--|
| Year of Establishment : | 2009 |
| Head of the Department : | Dr. Polly Vauquiline |
| Programme offered : | M.A. M. Phil } in Women's Studies Ph.D. |
| Intake : | M.A : 36, M.Phil.:10 (max) Ph.D. 10 (max) |
| Location : | New Academic Building Second Floor (West) B-Block. |
| Contact : | Dr. Polly Vauquiline Tel. : 91 94351-44275 |
| E-mail : | pollyvauquiline@yahoo.co.in guwomenstudies@gmail.com |

Eligibility

Women's Studies being interdisciplinary in nature, the Department encourages students from various disciplinary backgrounds to apply. However, successful candidates would be screened through a written test.

Course Structure

A student shall do a total number of twenty papers, 16 core and 4 elective of 6 credits each, in the four semesters. Each paper will carry 80 marks - 16 marks for internal evaluation during the semester and 64 marks for external evaluation through the end-semester examination.

All the papers in the First and Second Semesters are compulsory or core papers. The Third and Fourth Semesters have both core and elective papers. A few papers are open to students of other disciplines also. The names and numbers assigned to the papers are as follows:

SYLLABUS STRUCTURE UNDER CBCS

| SEMESTER - I | | | | |
|----------------|---------------------------------------|---|---------|-------|
| Course Code* | Core/ Elective/ Optional/ Value Added | Course Title | Credits | Marks |
| WOM1016 | Core | Introduction to Women's Studies | 6 | 100 |
| WOM1026 | Core | Feminist Theory-I | 6 | 100 |
| WOM1036 | Core | Women's Movement-I | 6 | 100 |
| WOM1046 | Core | Women in Indian Society | 6 | 100 |
| WOM1054 | Value Added | Concepts in Feminism | 4 | - |
| SEMESTER - II | | | | |
| WOM2016 | Core | Feminist Theory-II | 6 | 100 |
| WOM2026 | Core | Women's Movement-II | 6 | 100 |
| WOM2036 | Core | Eco-feminism, Environment and Sustainable Development | 6 | 100 |
| WOM2046 | Core | Feminist Economics/ Women, Work and Labour | 6 | 100 |
| WOM2054 | Value Added | Gender and Development | 4 | - |
| SEMESTER - III | | | | |
| WOM3016 | Core | Research Methodology | 6 | 100 |
| WOM3026 | Core | Women, Science and Technology | 6 | 100 |
| WOM3036 | Elective | ANY ONE Gender and Education Gender, Work and Labour/ Feminist Economics Women's Rights and Legal advocacy | 6 | 100 |
| WOM3046 | Elective | | | |
| WOM3056 | Elective | | | |
| WOM3066 | Open/ Elective | Interrogating Violence | 6 | 100 |

| | | | | |
|---------------------|----------------|---|------------|-------------|
| WOM3074 | Value Added | Women, Media and Culture | 4 | - |
| SEMESTER -IV | | | | |
| WOM4016 | Core | Women, Health and Rights | 6 | 100 |
| WOM4026 | Core | Dissertation | 6 | 100 |
| WOM4036 | Elective | ANY ONE Women in North-East India Engendering Governance Gender, State and Citizenship Women and Literature | 6 | 100 |
| WOM4046 | Elective | | | |
| WOM4056 | Elective | | | |
| WOM4066 | Elective | | | |
| WOM4076 | Open/ Elective | Gender and Geography | 6 | 100 |
| WOM4084 | Value Added | Legal rights of Women In India | 4 | - |
| TOTAL | | | 112 | 1600 |

B) Ph.D. in Women's Studies

The Ph.D programme of the Department, at present, has 30 registered research scholars. The Department follows the eligibility criteria and admission procedure set by the University. The names and numbers assigned to the papers are as follows:

Paper 1 : History of Ideas

- Module I: A History of the World
- Module II: Feminist Thought
- Module III: A Historical Perspective on Modernity

Paper 2 : Part One : Women's Studies & Concepts History

- Module I : An introduction to Women's Studies
- Module II : Recreating Knowledge
- Module III : Organising Women's Studies.

Part Two; Women's Movement

- Module I : Social Evils in the 19th Century and the Ideology of Reform Movements in India.
- Module II : Women's Movements in India.

Paper 3 : Feminist Research Methodology

- Module I : Scientific Social Research
- Module II : Feminist Research
- Module III : Research Design
- Module IV : Review of Literature.

Paper 4 : Computer Application

- Module I : Basic Methodology + Hands on Computer Training
- Module II : Data Analysis and Interpretation.

C) M.Phil. in Women's Studies

The Department follows the eligibility criteria and admission procedure set by the University. M.Phil programme is kept in abeyance for 1 year. The names and numbers assigned to the papers are as follows-

Paper 1 (Compulsory) : Women's Studies-Concepts and Data bates

- Module I : An Introduction to Women's Studies
- Module II : Basic Concepts.
- Module III : Recreating Knowledge
- Module IV : Feminist Theories
- Module V : Feminist Critical Theory
- Module VI : Organising Women's Studies
- Module VII : Policy Issues

Paper 2: (Compulsory): Women's Movements and Women's Organizations

- Module I : Early Feminism and Women's Rights
- Module II : Social Evils in the 19th Century and the ideology of reform movements in India
- Module III : Women's Movements in India
- Module IV : Women Pioneers in India
- Module V : Women's Movements in post-independence India
- Module VI : Status of Women in Society
- Module VII : Status of Women in Northeastern Societies

Paper 3 (First Half Compulsory) : Feminist Research Methodology

- Module I : Scientific Social Research
- Module II : Feminist Research
- Module III : Research Design
- Module IV : Data Analysis and Interpretation

Paper 3 (Second Half-Optional-any one)

- WOMEN AND MEDIA
- WOMEN AND POLITICS
- WOMEN AND EDUCATION
- WOMEN AND LITERATURE
- WOMEN AND PSYCHOLOGY
- WOMEN AND DEVELOPMENT
- WOMEN AND HISTORY
- WOMEN AND LAW
- GENDER ECONOMICS

D) Certificate Course in Gender Studies**(3 months course)**

There are two modules in the course. They are as follows :

- a) Gender Studies I
- b) Gender Studies II

Faculty : Teaching and Research Interests**Associate Professor**

Polly Vauquiline, M.A. (GAU), Ph.D. (NEHU), (**Head of the Department**)

Gender Geography, Women's Studies, Ecofeminism, Feminist Research Methodology,

Assistant Professor

Syeda Sakira Sahin, M.A.(JNU), Ph.D.(GU)

Women's Movement, Feminist Politics, Women and Health.

Poonam Kakoti Borah, M.A.(JNU), M.Phil.(JNU)

Feminist Theory, Queer Theory, Political Theory.

Guest Faculty

Prof. Shiela Bora, Former Head, Dept of History, Dibrugarh University.

Professor Emeritus

Prof. Swarnalata Das, Former Head, Dept of Education, Gauhati University

JRF/NET : JRF =1 NET =7

Employability

Women's Studies is a new and vibrant academic area. Employment prospects in the discipline are bright because of the encouragement of the University Grants Commission under its XIIth plan. The UGC has recommended that Women's Studies Centres be opened across various parts of the country and the number of posts under the Women's Studies programme has also been increased manifold. This implies that teaching and research activities are going to increase in Women's Studies. Graduates in Women's Studies also have an edge in sectors such as NGOs, Media, Policy Think-tanks, Autonomous Research and Development organizations where knowledge of critical concepts in gender is essential



ANTHROPOLOGY

The Department

The Department of Anthropology was established in 1948 and since then it has been imparting quality education to its students and research scholars. The department has expanded its academic horizons of study and search in newer fields sometime in collaboration with allied academic institutions of national and international repute. The Department has been awarded DRS-I under-UGC, SAP programme in 2015, to work in the thrust areas of Cultural heritage. Tangible and intangible and Population Ageing and Health. In addition a number of individual research projects are being conducted by the faculty members. The academic activities are given additional momentum through organizing of natural and state levels seminars and special lectures by eminent resource persons. Presently the department carries out programmes for Post Graduate courses (M.A./M.Sc.) and Ph.D. in Anthropology. It also carries out need based and applied research in different areas like physical, socio-cultural and archaeological anthropology in the region.

The Department publishes a Bulletin having ISSN number annually, which highlights the research of the faculty members and research scholars. The Department also houses the Regional Centre of the India Gandhi National Centre of the Arts (IGNCA).

Profile

Year of Establishment : 1948

Head of

the Department : Prof Mini Bhattacharyya

Courses offered : MA/M.Sc. in Anthropology
Ph.D.

Intake capacity : 26

Contact : The Head, Department
of Anthropology
Tel : 0361-2570248

E-mail : anthropology@gauhati.ac.in

Website : www.gauhati.ac.in/anthropology

SYLLABUS STRUCTURE UNDER CBCS

| COURSE CODE | NAME OF PAPER |
|--------------------------|--|
| FIRST SEMESTER | |
| ANT 1016 | Human Evolution (C) |
| ANT 1026 | Society and Culture: Foundations (C) |
| ANT 1036 | Archaeological Anthropology: Methods and Principles (C) |
| ANT 1046 | Practical - I : Craniometry, Osteometry, Bio-statistics, Tool and pottery technology (C) |
| TOTAL CREDIT : 24 | |
| SECOND SEMESTER | |
| ANT 2016 | Human variation (C) |
| ANT 2026 | Culture and its Dimensions (C) |
| ANT 2036 | Prehistoric Cultures of the world(C) |
| ANT 2046 | Ethnographic Field Study (C) |
| ANT 2053 | Practical - II : Serology, Dermatoglyphics, Physiology and Sense Perception (C) |
| TOTAL CREDIT: 27 | |
| THIRD SEMESTER | |
| ANT 3016 | Applied Anthropology (C) |
| ANT 3026 | Anthropology of NE India (C) |
| ANT 3033 | Research Methodology in Physical Anthropology (E) A |

| | |
|--------------------------|--|
| ANT 3046 | Anthropological Demography (E) A |
| ANT 3053 | Research Methods in Socio-Cultural Anthropology (E) B |
| ANT 3066 | Anthropological Theories and Thought (E) B |
| ANT 3073 | Research Methods in Archaeological Anthropology (E) C |
| ANT 3086 | Environmental Archaeology and Chronological Controls (E) C |
| ANT 3096 | Ecological Anthropology (O) |
| TOTAL CREDIT : 27 | |
| FOURTH SEMESTER | |
| ANT 4016 | Indian Society and Culture (C) |
| ANT 4026 | Dissertation (C) |
| ANT 4036 | Formal Genetics (E) A |
| ANT 4046 | Population Genetics (E) A |
| ANT 4056 | Anthropology of Complex Society (E) B |
| ANT 4066 | Study of Monographs (E) B |
| ANT 4076 | Prehistoric Economic Pattern and Socioarchaeology (E) C |
| ANT 4086 | Prehistory of South East Asia (E) C |
| TOTAL CREDIT : 24 | |

Note : C: Core paper

E: Elective paper

O: Open paper

In the Third Semester a student has to opt for one specialization (which will continue to fourth semester) from any of the following :

A- Physical Anthropology,

B- Socio-Cultural Anthropology,

C- Archaeological Anthropology.

Open paper ANT 3096 will be open to students of other departments in addition to PG students of Anthropology.

Intake: 5 seats.

Faculty : Teaching and Research Interests

Professor

Rekha Das, M.Sc.(GAU), Ph.D. (GAU)

Physical Anthropology

Mini Bhattacharyya, M.Sc. (Delhi), Ph.D. (GAU), (**Head of the Department**)

Advanced Social and Cultural Anthropology

Abdullah Ali Ashraf, M.Sc. (GAU), Ph.D. (GAU)
Archaeological Anthropology.

Associate Professor

Sushil Sinha, M.Sc. (GAU), Ph. D. (GAU)
Advanced Social and Cultural Anthropology

Gulrukh Begum, M.Sc. (GAU), Ph.D. (GAU)
Advanced Physical Anthropology

Chandana Sarma, M.Sc. (GAU), Ph.D. (GAU)
Advanced Physical Archaeology.

Dwipen Bezbaruah, M.Sc. (GAU), Ph.D. (GAU)
Advanced Prehistoric Archaeology

Assistant Professor

Robinson Senar, M.Sc. (GAU)
Advanced Prehistoric Archaeology

Humi Thaoson, M.Sc. (GAU)
Advanced Social and Cultural Anthropology.

Employability

The alumni of the departments are spread all over the country and even abroad as teachers in universities, colleges and junior colleges, in research institute such as Anthropological Survey of India (AnSI), Indian Statistical Institute (ISI), National Institute of Public Co-operation and Child Development (NIPCCD), Institute for research for Scheduled Caste and

Scheduled Tribes, National Institute of Rural Development (SIRD), Regional Medical Centre, Dubrugah-Indian Council of Medical Research (ICMR), Assam State AIDS Control Society (ASACS), National rural Health Mission (NRHM), Ministry of Social Welfare, Govt. of Assam and also in various NGOs and private organizations.

Award to Toppers

Dr. Renuka Das Memorial Award for securing the First Class First position in M.Sc. Anthropology. Awarded by The Assam Science Society.

Mallika Mahanta Memorial Award for securing the First Class First position in M.Sc. in Anthropology. Awarded by family members of Late Ms. Mahanta.

Manju Rani (Goswami) Barkataki Memorial Gold Medal Award for the topper in M.A. /M.Sc. in Anthropology under Gauhati University Awarded by Dr. N. Barkataki husband of Late Mrs. Manju Rani (Goswami) Barkataki.

NET/SLET

17 NET/SLET, including 5JRFs in the last five years.

Facilities

The Department has a rich seminar library. There is an Anthropological Museum with rare and important collections mainly from different parts of Northeast India and other states.

How to Find Us

The Department of Anthropology is in the southern side of a building located to the west of the Department of Physics.



BOTANY

The Department

The Department of Botany is one of the oldest Science Departments of Gauhati University established in the year 1948. The Department has a brilliant history of growth and development ever since its inception. So far, about 500 students have received their Ph.D. degree. This reflects the academic and research activities of the Department. The Department has its own building, covering a space of 1408 m². The Department has been sponsored by the Department of Science & Technology (Government of India) for Financial Assistance for Infrastructure Development for Science & Technology (Government of India) for Financial Assistance for Infrastructure Development for Science & Technology (DST-FIST) from the year 2007. The Department has also been sponsored by the University Grant Commission (Government of India) for financial assistance under the UGC-SAP (DRS-I) for five years (2012-2017) beginning from 2012.

Profile

Year of Establishment: 1984

Head of the

Department : Prof. Partha Pratim Baruah

Courses offered : M.Sc. Botany
M.Sc., Microbiology
M.Phil., Botany
Ph.D.

Intake : M.Sc., Botany -40
M.Sc., Microbiology-10
M.Phil., Botany-20

Contact : The Head
Department of Botany
Tel : 0361-2570530

Website : www.gauhati.ac.in/botany

Jintu Rabha, M.Sc. (GAU)
Microbiology (Contractual)

Guest Faculty

Mahua Paul, M.Sc. (GAU)
Biostatistics

Curator

Gajen Chandra Sarma, M.Sc. (GAU), Ph.D. (GAU)
(Re-employed)

Superintendent, Botanical Garden

Ranjit Singh, M.Sc. (GAU), Ph.D. (GAU)

Employability

Students passing out of the Department of Botany have high employability. This is attested by the wide variety of organizations which offer employment opportunities to qualified botanists such as the following :

1. Research Institutions like NEIST, NBRI, CSIT Laboratories, TERI, DST, DRDO, CCMB, CDRI, BSIP, ASTEC, BSI, CIMAP, Toklai Tea Research Station etc.
2. Research and Development Centers of Pharmaceuticals and other industries.
3. Food Industries
4. NGOs like ATREE, CEE
5. Tea & Coffee Industries
6. Industries that require environmental impact assessment
7. Forest Research Institutes
8. Agricultural Institutes

Faculty : Teaching and Research Interests

Professor

Sachindra Kumar Borthakur, M.Sc. (GAU), Ph.D. (GAU)
Plant Taxonomy.

Dhruva Kumar Jha, M.Sc. (Patna), Ph.D. (NEHU)
Microbiology, Plant Pathology.

Partha Pratim Baruah, M.Sc. (GAU), Ph.D. (GAU), (**Head of the Department**)
Plant Ecology

Nilakshee Devi, M.Sc. (GAU), Ph.D. (GAU)
Plant Taxonomy

Associate Professor

Bhaben Tanti, M.Sc. (GAU), Ph.D. (TU)
Cytogenetics and Plant Breeding

Namita Nath, M.Sc. (GAU), Ph.D. (GAU)
Plant Taxonomy

Kumananda Tayung, M.Sc. (RGU), Ph.D. (GAU)
Microbiology, Plant Pathology

Assistant Professor

Diganta Narzary, M.Sc. (GAU), Ph.D. (LU)
Microbiology

Arabinda Ghosh, M.Sc. (NEHU), Ph.D. (IITG)
Microbiology (Contractual)

Facilities

Department Library

The Department Library has a collection of more than one thousand books which are used by the students, researchers and faculties.

Central Facility

The Department is well equipped with modern equipments like Phase Contrast Microscope, Fluorescence Microscope, PCR, Gel Electrophoresis & Documentation System, Spectrophotometers, High Speed Refrigerated Centrifuge, Deep Freezers and some other important minor equipments important for R&D work. The departmental Herbarium (GUBT)

has 15000 herbarium specimens including many of Rare, Endangered and Threatened Plants. The herbarium of the Department is indexed in Index of Herbarium of New York Botanical Garden, (USA). Museum has a collection of 20 bamboo species, 350 varieties of rice from different states of North East, wood samples of 35 species etc. The Department has a seminar hall with sitting capacity for 80 persons along with a LCD projector.

Botanical Garden

The Department has an extensive Botanic Garden covering an area of 52 acres of land with more than 1500 different plant species including rare, endangered and threatened plants. The garden is also enriched with many valuable medicinal plants of the region.

Computer Lab

The Department has a computer lab with LAN facilities with internet connectivity and provides facilities to students, research scholars and faculty members.

Field Visit

M. Sc. students of the Department has field visits (one in 1st Sem and another in 3rd Sem) as a part of their syllabus to acquire hands-on experience and observe the floral diversity, ecological diversity and research activities in India. The visit is compulsory, and carries marks for internal assessment on the basis of the report submitted by the students.

Clubs and Societies

The Botanical Forum is a body comprising of the students and faculty members of the Department, responsible for extension and outreach programme of the department, devoted to the promotion of botanical activities like biodiversity awareness programme, conservation and sustainable utilization of valuable plant resources, seminars, distinguished lectures, plantations, etc.

How to Find Us

The Department of Botany is situated opposite to the K.K.H. Library.

SYLLABUS STRUCTURE UNDER CBCS (M.Sc. in Botany)

| Paper Code | Name of the paper | Paper Credits | Total Credits |
|------------------------|--|---------------|---------------|
| First Semester | | | |
| BOT 1016 | Diversity I (Algae, fungi, bryophytes) | 6 | 26 |
| BOT 1026 | Diversity II (Pteridophytes, Gymnosperm and Angiosperm) | 6 | |
| BOT 1036 | Ecology, Environment and Resource Management | 6 | |
| BOT 1044 | Practical: Algae, Fungi, Bryophytes and Pteridophytes | 4 | |
| BOT 1054 | Practical : Gymnosperm, Angiosperm, Ecology | 4 | |
| Second Semester | | | |
| BOT 2016 | Cytogenetics & Plant Breeding | 6 | 26 |
| BOT 2026 | Reproductive and Developmental Biology | 6 | |
| BOT 2036 | Plant Physiology and Biochemistry | 6 | |
| BOT 2044 | Practical: Cytogenetics, Plant Breeding, Reproductive & Developmental Botany | 4 | |
| BOT 2054 | Practical: Plant Physiology and Biochemistry | 4 | |
| Third Semester | | | |
| BOT 3016 | Microbiology and Plant Pathology | 6 | 26 |
| BOT 3026 | Molecular Biology, Plant Biotechnology & Bioinformatics | 6 | |
| BOT 3036 | Open Paper | | |
| | (a) Instrumentation, Laboratory Techniques and Biostatistics (b) Plant Taxonomy, Biodiversity & Conservation (c) Microbes in Everyday Life | 6 | |
| BOT 3044 | Practical- Microbiology and Plant Pathology & Biostatistics | 4 | |
| BOT 3054 | Practical- Molecular Biology, Plant Biotechnology & Bioinformatics | 4 | |
| | | | |
| Fourth Semester | | | |
| BOT 4015 | Special Paper I | 5 | 24 |
| BOT 4025 | Special Paper II | 5 | |
| BOT 4035 | Special Paper III | 5 | |
| BOT 4045 | Dissertation | 5 | |
| BOT 4054 | Special Paper Practical | 4 | |

Specializations Offered in M.Sc. in Botany

- b) Angiosperm Taxonomy
- b) Microbiology
- c) Mycology and Plant Pathology
- d) Plant Ecology
- e) Cytology, Genetics and Plant Breeding

SYLLABUS STRUCTURE UNDER CBCS (M.Sc. in Microbiology)

| Paper Code | Name of the paper | Paper Credits | Total Credits |
|------------------------|--|---------------|---------------|
| First Semester | | | |
| MICRO 1016 | Microbial Diversity, Taxonomy & Systematics | 6 | 26 |
| MICRO 1026 | Soil & Agricultural Microbiology | 6 | |
| MICRO 1036 | Physiology & Biochemistry | 6 | |
| MICRO 1044 | Practical: Microbial Diversity, Taxonomy & Systematics and Soil and Agricultural Microbiology | 4 | |
| MICRO 1054 | Practical: Physiology & Biochemistry | 4 | |
| Second Semester | | | |
| MICRO 2016 | Microbial Genetics & Molecular biology | 6 | 26 |
| MICRO 2026 | Bioinstrumentation & Microbial Techniques | 6 | |
| MICRO 2036 | Immunology | 6 | |
| MICRO 2044 | Practical: Microbial Genetics & Molecular biology | 4 | |
| MICRO 2054 | Practical: Immunology | 4 | |
| Third Semester | | | |
| MICRO 3016 | Open Paper Environmental microbiology or they will opt any open course offered by University | 6 | 26 |
| MICRO 3026 | Medical microbiology | 6 | |
| MICRO 3036 | Food & Industrial microbiology | 6 | |
| MICRO 3044 | Practical- Medical microbiology & Food & Industrial Microbiology | 4 | |
| MICRO 3054 | Practical- Environmental microbiology | 4 | |
| Fourth Semester | | | |
| MICRO 4016 | Genetic Engineering, IPR & Biosafety Regulation | 6 | 24 |
| MICRO 4026 | Biostatistics & Bioinformatics | 6 | |
| MICRO 4036 | Genetic engineering, Biostatistics & Bioinformatics | 6 | |
| MICRO 4046 | Dissertation | | |



CHEMISTRY

The Department

The Department of Chemistry was established in the year 1955 and ever since it has been imparting high quality education in Chemistry at the Post Graduate level. The Department is also engaged in some outreach programmes with the active participation of the highly qualified faculty members as well as visitors from other institutions. The Department has good record in offering consultancy services. The excellent track record of the Department in the field of academics has enabled it to earn the reputation of being one of the leading Chemistry Departments not only of the North Eastern Region, but also of the country.

The high quality of research activities of the faculty members have enabled the Department to attract research grants from several funding agencies and Government Departments such as UGC, DST, DAE, DBT and CSIR. The total grants from sponsored research projects during the last five years amount to several crores. The Department has received grants from the University Grants Commission, New Delhi, in the form of DRS Project (Phase I, II and III) under the Special Assistance Programme (SAP). In which it has the DSA status and COSIST programme of the UGC and FIST (level I and II) offered by the Department of Science and Technology, Govt. of India, New Delhi. In addition to the above, the Department has received generous grants from various other private and public sector agencies for renovation of laboratories and augmentation of Instrumental Facilities.

Profile

| | |
|-------------------------|---|
| Year of Establishment : | 1955 |
| Head of the Department | : Prof Birinchi Kumar Das |
| Courses offered | : M.Sc. Post Graduate Diploma in Analytical Chemistry (PGDAC) Ph.D. |
| Intake | : M.Sc. 45+1 PGDAC 15 |
| Contact | : The Head of the Department Tel : 0361-2570535 Fax : 0361-2700311 |
| E-mail | : bkdas@gauhati.ac.in |
| Website | : www.gauhati.ac.in/science-chemistry.php |

Eligibility

Admission criteria

- For M.Sc. programme, 3 year B.Sc. with Chemistry (Major) along with Physics and Mathematics as subsidiary subjects. All students are required to appear at an Entrance Test for selection to join the M.Sc. programme. Equal weightage will be given to marks secured by students of Gauhati University at the B.Sc. (M) examination and the Entrance Test to be conducted. 20% of the total number of seats (i.e. 9) will be filled up by students of other universities exclusively through the Entrance Test. However, such students must have scored a minimum of 65% marks or its equivalent at the B.Sc. (M) examination or its equivalent in Chemistry. Further, one seat will be filled up with the topper of the PGDAC examination of 2016 subject to his/her fulfilling other eligibility criteria.
- For the PG Diploma in Analytical Chemistry (PGDAC).

Science Graduate of any discipline with Chemistry as one of the subjects and BE (Chemical), Minimum qualification may be relaxed for sponsored candidates.

- NET/JRF (UGC-CSIR) qualified applicants are directly admitted to the Ph.D. programme. Others are selected through an admission test (conducted by the university).

Faculty: Teaching and Research Interests

Professors

Bhabesh Chandra Goswami, Ph.D. (Liverpool, U.K.) & Ph.D. (GAU)
Bioorganic Chemistry, Garotenoids-Vitamin -C.

Pranab Jyoti Das, Ph.D. (GAU)
Organic Synthesis, Solid Phase Synthesis, Green Chemistry

Dibakar Chandra Deka, M.Tech. & Ph.D. (IIT KGP), DTIT (Tokyo), D.Sc. (GAU)
Natural Products, Synthetic Organic Chemistry, Biofuel

Birinchi Kumar Das, Ph.D. (IISc), (**Head of the Department**)
Inorganic Synthesis, Catalysis

Dilip Kumar Kakati, Ph.D. & D.I.C. (London)
Polymer Chemistry, Organic Synthesis.

Chitrani Medhi, Ph.D. (IACS)
Molecular Modelling, Computational Chemistry.

Arup Kumar Talukdar, Ph.D. (GAU)
Organic Synthesis, Catalysis, Molecular Modelling

Diganta Kumar Das Ph.D. (GAU)
Bio-electrochemistry Inorganic synthesis.

Associate Professors

Rupam Jyoti Sarma, Ph.D. (IITG)
Supramolecular Chemistry, Organic Synthesis

Assistant Professors

Sonit Kumar Gogoi, Ph.D. (IITG)
Nano Chemistry

Debajyoti Mahanta, Ph.D. (IISc)
Kinetics, Polymer Chemistry

Sanfaori Brahma, Ph.D. (IITk)
Bioinorganic Chemistry

Ranjit Thakuria, Ph.D. (Uohyd)
Crystal Engineering

Dhrubajyoti Kalita, Ph.D. (IITG)
Theoretical Chemistry

Tridib Kumar Goswami, Ph.D. (IISc)
Biological Chemistry

Inspire Faculties

Hormi Mecadon, Ph.D. (NEHU)
Organic Synthesis

UGC Assistant Professors

Sushobhan Ghosh, Ph.D. (IISc)
Organic Synthesis

Visiting Professors

Dr. Sourav Pal, Professor of Chemistry, IIT Bombay & Former Director, NCL, Pune.

Prof. Akhil R. Chakravarty, IISc, Bangalore

Placement Profile

Students passing out from the Department of Chemistry have occupied eminent positions in some of the leading universities and colleges of the state as well as in the IITs. The Department is proud of the fact that a few of its alumni had joined IAS and other Allied Services at the all India level.

Students have been selected, on the basis of merit, in some of the leading research laboratories and Universities of the country as well as in foreign universities for doctoral and Post Doctoral research. They have been engaged as Scientists in leading CSIR laboratories and the Defence Research Development Organization (DRDO). Multinational and Private Sector Research Laboratories. Some of them have worked as Management Executives and as Research Scientists. Public Sector oil companies such as ONGC, Oil and NRL are also some of the organizations which have employed our students. Some companies appoint our students campus recruitment drives.

Clubs and Societies

The Department has a vibrant Chemical Society and all

students are the members. The Society arranges annual visits/lectures by prominent scientists of leading universities and institute of the country so as to encourage interactions of our students with eminent scientists for the purpose of motivating them for higher studies and also for the purpose of giving them the much needed exposure. The Society also assists the students in extra-curricular activities.

The Department is also the Head Office of the Society for Chemical Education, Assam and the Head of the Department is the Ex-officio President of the Society. The Society organizes the state level Chemistry Olympiad every year and endeavours to popularize Chemistry amongst school children through its outreach programmes. The Society publishes a periodical **Rasayan Siksha** which has a wide readership.

Alumni

The Department keeps alive its association with past students through the Alumni Association which was established in 2003.

Endowment Lectures

The Department annually organizes the Prof. R. K. Barua Memberial Lecture and the Prof. R.K. Sarma Memorial Lecture in collaboration with the Society for Chemical Education, Assam.

NET & GATE

Students of the Department regularly qualify NET (UGC/SIR) and GATE examinations in good numbers.

Facilities

The Department has a library of books and journals of chemistry. It has a computer laboratory with internet via LAN and wifi connectivity so as to help students to access on-line journals and books. The Department has a good number of sophisticated instruments and spectrometers indispensable instruments available are 300 MHz NMR spectrometer, Powder X-ray Diffractometer, ICP-OES, GC-MS, UV-Visible spectrometer, ICP-OES, GC-MS, UV-visible spectrometer. Fluorescence spectrometer, Surface Area Analyzer, UV-Visible-NIR facility, HPLC, TG-DTA, Parr Hydrogenator etc. The instrumental facilities are routinely used by both M.Sc. as well as Ph.D. Students.

How to find us

The Department of Chemistry is situated at an elevated areas behind the Departments of Botany and Physics and near the Botanical Garden.

SYLLABUS STRUCTURE UNDER CBCS

Total Credits: 96

| Sl. No. | Course Name | Nature of Course | Credits |
|--|---------------------------------------|--|-----------|
| Semester I | | | 24 |
| 1. | Inorganic Chemistry 1 | Core | 3 |
| 2. | Organic Chemistry 1 | Core | 3 |
| 3. | Physical Chemistry 1 | Core | 3 |
| 4. | Quantum Chemistry | Core | 3 |
| 5. | Spectroscopy 1 | Core | 3 |
| 6. | Chemical Applications of Group Theory | Core | 2 |
| 7. | Laboratory Course I | Core | 7 |
| Semester II | | | 24 |
| 1. | Inorganic Chemistry 2 | Core | 4 |
| 2. | Organic Chemistry 2 | Core | 4 |
| 3. | Physical Chemistry 2 | Core | 4 |
| 4. | Spectroscopy 2 | Core | 3 |
| 5. | Green Chemistry | Core | 2 |
| 6. | Laboratory Course II | Core | 7 |
| Semester III | | | 24 |
| 1. | Biochemistry | Core | 3 |
| 2. | Modern Methods of Analysis | Core | 3 |
| 3. | Surface Chemistry & Catalysis | Core | 3 |
| 4. | Seminar | Core | 2 |
| 5. | Open 1 | Elective | 3 |
| 6. | Open 2 | Elective | 3 |
| 7. | Laboratory Course III | Core | 7 |
| Semester IV | | | 24 |
| 1. | Open 3 | Elective | 3 |
| 2. | Open 4 | Elective | 3 |
| 3. | Open 5 | Elective | 3 |
| 4. | Project Dissertation | Elective | 15 |
| <i>Elective courses to be offered in Semester III</i> | | <i>Elective courses to be offered in Semester IV</i> | |
| 1. Nanoscience & Nanotechnology | | 1. Natural Products Chemistry | |
| 2. X-ray Crystallography | | 2. Organic Synthesis | |
| 3. Environmental Chemistry | | 3. Advanced Quantum Chemistry | |
| 4. Food & Nutrition | | 4. Catalysis Science & Technology | |
| | | 5. Solid State and Materials Chemistry | |
| | | 6. Bioinorganic Chemistry | |
| | | 7. Supramolecular Chemistry | |
| | | 8. Organometallic Chemistry | |
| | | 9. Medicinal Chemistry | |
| <i>(These courses of interdisciplinary nature are also intended to be studied by students from other departments.)</i> | | | |

ENVIRONMENTAL SCIENCE

The Department

The Department of Environmental Science, Gauhati University first established as an Environmental Research Unit in 1978, was later on raised to the status of an academic department of higher learning where teaching and research in this multidisciplinary subject was being conducted since its inception.

The Department of Environmental Science has at the core of its mission an overriding concern to provide quality higher education in different areas of Environmental Science. The department has been striving for the four decades engaging itself in teaching, research as well as extension activities pertaining to this multi-disciplinary subject. Besides meeting its academic objectives, the department aims at providing leadership in the area of conservation of environment, rational utilization of natural resources and creation of public awareness in the region. Its unflinching concern for achieving academic excellence both in teaching and research is reflected in the creation of sophisticated technological and manpower base in frontier areas of science and technology-such as image processing and GIS, satellite remote sensing, digital broadband monitoring of seismic events, flood analysis, pollution studies, Environmental monitoring of air, water and soil quality, environmental impact analysis, occupational hazards survey etc.

The department offers research facilities to the scholars in the field of environmental meteorology, air, water and soil pollution studies, application of Remote Sensing and GIS in natural resource management, natural hazards, seismological research and fluvial geomorphology etc. The department completed a number of research projects sponsored by DST, ISRO, UGC, Guwahati Refinery, Border Roads Organization, WWF, ASTEC etc.

Profile

Year of Establishment : 1980

Head of the Department

Courses offered : Prof. Sarbeswar Kalita
M.Sc. In Environmental Science
Ph. D. in Environmental Science

Intake : 12 (M.Sc. Course)

Contact : The Head Department of Environmental Science
Tel : +91-9435148264

E-mail : skalita53@gmail.com

Website : www.gauhati.ac.in

Course Structure

M.Sc. Semester-I

| Course Code | Course Title | Marks | Credits |
|-------------|---------------------------------------|-------|---------|
| ES-1.1 | Fundamentals of Environmental Science | 75 | 5 |
| ES-1.2 | Environmental Chemistry | 75 | 6 |
| ES-1.3 | Environmental Biology | 75 | 6 |
| ES-1.4 | Environmental Earth Science | 75 | 6 |
| ES-1.5 | Practical and Field Study | 100 | |
| | Practical | 85 | 8 |
| | Field Study (local) | 15 | 1 |

Eligibility criteria for admission

Students having general B.Sc. in 10+2+3 pattern with Major in any science subject securing a minimum of 45% marks of equivalent GP/CGPA in the major subject are eligible for admission into M.Sc. course in Environmental Science. Candidates having Major in Environmental Science will get a bonus mark of 5%.

All candidates are required to appear in a written admission test based on general environmental issues (as per UGC syllabus on Environmental Studies) and basic sciences. The selection will be made on the basis of the performance in the admission test as well as in the B.Sc. examination (50% from admission test and 50% from B.Sc. exam.).

In finalizing the list, consideration will be made to ensure the representation of different science subjects in view of the multidisciplinary nature of the course and will be decided by the Departmental Advisory Committee (DAC) of the Department.

M.Sc. Semester-II

| | | | |
|--------|---|-----|---|
| ES-2.1 | Statistical Methods and Computer Applications | 75 | 6 |
| ES-2.2 | Environmental Pollution | 75 | 6 |
| ES-2.3 | Ecosystem Dynamics | 75 | 6 |
| ES-2.4 | Environmental Hazards | 75 | 6 |
| ES-2.5 | Practical and Fields Study | 100 | |
| | Practical | 85 | 8 |
| | Field Study (local) | 15 | 1 |

M.Sc. Semester-III

| | | | |
|--------|---|-----|---|
| ES-3.1 | Environmental Remote Sensing and GIS | 75 | 5 |
| ES-3.2 | Analytical Methods for Environmental Monitoring | 75 | 6 |
| ES-3.3 | Environmental Health and Eco-toxicology | 75 | 6 |
| ES-3.4 | Eco-hydrology and Watershed Management | 75 | 6 |
| ES-3.5 | Practical and Dissertation Seminar | 100 | |
| | Practical | 85 | 8 |
| | Dissertation Seminar | 15 | 1 |

M.Sc. Semester-IV

| | | | |
|-------------|--|------|-----|
| ES-4.1 | Energy and Environment | 75 | 6 |
| ES-4.2 | Environmental Impact Assessment | 75 | 6 |
| ES-4.3 | Environmental Law and Management | 75 | 6 |
| Es-4.4 | Special Paper (any one) | 75 | 6 |
| | (a) Environmental Pollution Control & Mitigation (b) Natural Hazards in Northeast India | | |
| ES-4.5 | Project | 100 | |
| | Dissertation | 75 | 8 |
| | Viva-Voce | 25 | 1 |
| Grand Total | | 1600 | 128 |

Faculty : Teaching and Research Interests**Professor**

Prof. Sarbeswar Kalita, M.Sc. (Phy), Ph.D. (Env. Sc.), (**Head of the Department**)
Environmental Meteorology Environmental Hazards, Seismology, Ecohydrology, Energy and Environment

Prof. Hari Prasad Sarma, M.Sc. (Chem), M.Phil. (Env.Sc.), Ph.D. (Chem)
Environmental Chemistry, Environmental Pollution, Analytical Methods for Environmental Monitoring (on Lien)

Assistant Professor

Dr. Pallavi Sharma, M.Sc. (Env. Sc.), Ph.D. (Env.Sc.)
Environmental Biology, Environmental Pollution.

Part Time Faculties

Prof. Krishna Gopal Bhattacharyya, M.Sc. (Chem), Ph.D. (Chem), Dept. of Chemistry, GU.

Prof. Amit Choudhury, M.Sc. (Stat), Ph.D. (Stat) Dept. of Statistics, GU.

Prof. Partha Pratim Barua, M.Sc. (Bot), Ph.D. (Bot) Dept. of Botany, GU.

Guest Faculty

Prof. Dulal Chandra Goswami, M.Sc. (Geog), Ph.D. (Geog) Ex.-HOD, Dept. of Env. Sc. GU

Prof. Himadri Kumar Das, M.Sc.(Chem), Ph.D. (Chem) Ex-HOD Dept. of Chemistry, GU

Dr. Dilip Kumar Deka, M.Sc. (Phy), Ph.D. (Env. Sc.)

Dr. Sutapa Chakraborty, M.Sc. (Env. Sc.), Ph.D. (Env. Sc.)

Dr. Dhruva Jyoti Deka, M.Sc. (Geol), Ph.D. (Geol)

Dr. Jyotishman Deka, M.Sc. (Botany), Ph.D. (Forestry)

Placement profile :

Students passing out from the department have been absorbed in different universities, companies, NGOs, Government and Semi-Government Departments, Research Laboratories and academic institutions.

Alumni

Alumni Association, Department of Environmental Science.

Facilities

The Department has a seminar library for the use of faculty members and students. Besides, there are Analytical Lab. Biological Lab. Major equipments in the laboratory of the department are BOD Incubator, Bacteriological Incubator, Temperature regulated Oven, Flam Photometer, Fourth stage Kjldhel Apparatus. Digital Balance, Laminar Flow, Digital Planimeter, Theodolite, Plane Table Surveying equipment, Stereoscope, Microscope, Luxmeter, Meteorological equipments, Handheld GPS, etc. Moreover sophisticated instruments like GCMS, Ion Chromatograph, Atomic Absorption Spectrophotometer, UV Spectrophotometer, Digital and analogue Seismometers, Geodetic GPS, GIS-GPS. GIS and Image Processing Software and Automatic Weather Station are also available in the department. Other facilities include LCD projector. Overhead Projector, Alkospign white board. Etc.

How to Find Us

The Department of Environmental Science is located at the western end of the GU campus.

GEOGRAPHY

The Department

The Department of Geography is one of the oldest departments of Gauhati University. Over the decades, it has been able to make significant contributions to understanding of the Geography of the north eastern region of India in new global order.

The Department is actively involved in teaching, research and extension activities.

The University Grants Commission has supported the Department of Geography under Special Assistance Programme (SAP) at DRS-III level for five years (2013-2018) with two thrust areas:

- (i) Environmental Resources and Sustainable Development in N.E. India.
- (ii) Population and Development in N.E. India

The teaching and research programmes of the Department have been reoriented as per the thrust areas identified under SAP.

The Department has also received a financial support from the Department of Science and Technology (DST), Govt. of India under FIST programme for five years (2005-2009). a full-fledged Geoinformatics Laboratory incorporating 15 networked systems has been set up in the Department. In addition, the programme extended support to the areas of library improvement, field study, data bank creation and training.

With a spirit of knowledge and information sharing, the Department has initiated inter-university collaborative work in the field of climate change with Kagawa University, Japan.

Profile

Year of Establishment: 1948

Head of the

Department : Prof Bimal Kumar Kar

Courses offered : M.A./ M.Sc. in Geography

M.Phil.

Ph.D.

Short-term Training in GIS
and Remote Sensing

Intake : M.A./M.Sc. 38

M. Phil 10

Ph.D. 20 (approx)

Contact : The Head, Department of
Geography, Gauhati University
Guwahati-781014

Tel : 0361-2570372

98640-39200 (mobile)

E-mail : geography@gauhati.ac.in

bimalkar@gauhati.ac.in

Website : www.gauhati.ac.in/geography/

SYLLABUS STRUCTURE UNDER CBCS

| SEMESTER-I | | |
|-------------------------------|--|---------------------|
| Course Code No. | Title of the Course | Credits/Marks |
| GGY 1016 | Nature of Geography | 6 credit/100 marks |
| GGY 1026 | Geomorphology | 6 credit/100 marks |
| GG Y1036 | Climatology and Biogeography | 6 credit/100 marks |
| GG Y1046 | Economic Geography | 6 credit/100 marks |
| GGY 1054 | Practical on Geomorphology, Climatology, Biogeography and Economic geography | 4 credit /100marks |
| Semester I Total Credit/Marks | | 28 credit/500 marks |

| SEMESTER-II | | |
|--------------------------------|---|---------------------|
| Course Code No. | Title of the Course | Credits/Marks |
| GGY 2066 | Geography of Environment and Development | 6 credit/100 marks |
| GGY 2076 | Population and Settlement Geography | 6 credit/100 marks |
| GGY 2086 | Geography of Regional Development of India with Special Ref. to North-East India | 6 credit/100 marks |
| GGY 2093 | Open Course** (North-East India: Land and People) | 3 credit/50marks |
| GGY2103 | Open Course** (Tourism and the North-East) | 3 credit/50 marks |
| GGY 2114 | Practical on Population Geography, Settlement Geography, Geography of Environment and Development, Geography of Regional Development of India | 4 credit/100 marks |
| Semester-II Total Credit/Marks | | 28 Credit/500 marks |
| SEMESTER-III | | |
| GGY 3126 | Geographic Thoughts | 6 credit/100 marks |
| GGY 3136 | Quantitative and Cartographic Methods in Geography | 6 credit/100 marks |
| GGY 3146 | Special Paper*-Elective Course (4-5 Options offered every year) | 6 credit/100 marks |
| GGY 3153 | Open Course** (Application of Remote Sensing and GIS in Spatial Analysis) | 3 credit/50marks |

| | | |
|--|---|----------------------------|
| GGY 3163 | Open Course** (Surveying and Mapping Techniques) | 3 credit/50marks |
| GGY 3174 | Practical on Quantitative and Cartographic methods | 4 credit/100 marks |
| Semester-III Total Credit/Marks | | 28 Credit/500 marks |
| SEMESTER-IV | | |
| GGY 4186 | Political and Cultural Geography | 6 credit/100 marks |
| GGY 4193 | Fundamentals of Remote Sensing and GIS | 3 credit/50 marks |
| GGY 4203 | Research Methodology in Geography | 3 credit/50 marks |
| GGY 4216 | Special Paper* (4-5 Options offered every year) | 6 credit/ 100 marks |
| GGY 4223 | Practical on Remote Sensing and GIS | 3 credit/ 50 marks |
| GGY4234 | Practical on Special Paper* | 4 credit/100 credit |
| GGY 4243 | Dissertation on Special Paper* | 3 credit/ 50 marks |
| Semester-IV Total Credit/Marks | | 28 Credit/500 marks |
| Note on Course Code No. : GGY- Geography; 1 st Digit-Semester; 2 nd two digits- Course Number; 4 th Digit- Course Credit | | |
| **Open Courses are exclusively meant for the students from other departments of the University | | |
| *Special Paper Options (Elective Courses) | | |
| 1. Agricultural Geography | | |
| 2. Cartography | | |
| 3. Fluvial Geomorphology | | |
| 4. Geography of Rural Development | | |
| 5. Geoinformatics | | |
| 6. Population Geography | | |
| 7. Regional Development and Planning | | |
| 8. Social Geography | | |

Faculty : Teaching and Research Interests

Professor

Abani Kumar Bhagabati, M.A. (GAU) M.PHIL, (GAU) PH.D.(GAU)
Agricultural Geography, Biodiversity, Rural Development.

Ashok Kumar Bora, M.Sc. (GAU), Ph.D. (GAU)
Geomorphology, Fluvial Geomorphology, Remote Sensing.

Bimal Kumar Kar, M.Sc. (GAU), Ph.D. (GAU), (**Head of the Department**)
Cartography, Population Geography, GIS and Remote Sensing

Anup Saikia, M.A. (NEHU), M.Phil (NEHU), Ph.D. (NEHU)
GIS, Land Change Science.

Associate Professor

Sriprakash Sharma, M.Sc. (GAU) PG DIP.
Remote Sensing (IIRS) Cartography, Regional Planning and Development, Remote Sensing.

Dhrubajyoti Sahariah, M.A. (GAU), M.Phil. (GAU), Ph.D. (GAU)
Fluvial Geomorphology, GIS.

Madhushree Das, M.A (GAU), M.Phil. (GAU), Ph.D. (GAU)
Population Geography, Social Geography, Tribal Studies.

Assistant Professor

Prasanta Bhattacharya, M.Sc. (GAU), Ph.D. (GAU)
Cartography, Tourism and Leisure Studies, GIS.

Ujjal Deka Baruah, M.A. (GAU)
Cartography and GIS

Nityananda Deka, M.A. (GAU), M.Phil, (GAU), Ph.D. (GAU)
Fluvial Geomorphology, Agro-Ecosystems, PRA Studies.

Placement Profile

There was a time when geographer's placement opportunities were basically confined to the arena of teaching. But the changing job market has provided opportunities for many to switch over to new areas in the service sector. These include sectors like banks, Telecommunication, Census, Department of Environment and Forest, Departments dealing with GIS and Remote Sensing Technology, Rural Development and Planning, and NGOs.

Clubs and Societies

The North East India Geographical Society (NEIGS) is housed at Department of Geography, Gauhati University. The main objective of the Society is to popularize geography education and research in NE India. The students of the Department also have a **Post Graduate Students' Geographical Forum** and publish the **Geographical Horizon**.

Endowment Lectures

The **Professor Hari Prasanna Das Memorial Lecture** has been instituted in the Department in 2004 by NEIGS for holding of an annual lecture on every 4th June. The Professor M. Taher Memorial Lecture has been instituted by the department in 2015 for holding a lecture on every 21st April, the day of birth anniversary of late Prof. Taher.

Scholarship/Prize Awarded

The **Professor Hari Prasanna Das Memorial Award** for the best Post Graduate in Geography under Gauhati University and the **Dipali Borthakur Memorial Award** for the best Post Graduate in Geography among the Universities of NE India as instituted by the NEIGS.

NET/JRF & Civil Service Examination

Coaching Support

The faculty members are involved in the training programmes of the Pre-Examination Training Centre of Gauhati University and Assam Administrative Staff College, Khanapara. Coaching for NET/JRF examination is also given in the department under UGC's Remedial Teaching programme.

Facilities

Laboratory

At present the Department has three laboratories with modern sophisticated instruments. The GIS laboratory is established

recently with the fund provided by the Department of Science and Technology, Govt. of India under FIST programme. The GIS Lab is equipped with GIS and Remote Sensing software. Another Remote Sensing Laboratory with modern sophisticated instruments has been built recently in the Department with special fund from the Government of Assam.

Library

The Department library, though small, has a rich collection of valuable books, journals, reports, theses etc. A good number

of books have been added annually to the library stock and at present it has a stock of 2250 books.

Internet

The department is equipped with Internet facility for the teachers, students and research scholars.

How to Find Us

The Department of Geography is located on the south of NH 37 towards the western part of the University campus.



A view of the Administrative Building, G.U.

GEOLOGICAL SCIENCES

The Department

The Department of Geological Sciences was established in 1950 with undergraduate teaching. Subsequently, the Postgraduate and Ph.D. programmes have started since 1956. The Department has good laboratories required for teaching and research. It has a well-developed Remote Sensing and GIS laboratory. Sophisticated petrological microscope laboratory and central computer facility for students. The Department have received funds under the COSIST and FIST programme of UGC and DST respectively and Government of Assam Special Assistance for infrastructure development.

The Department receives funds from several other government and non-government organizations for research and consultancy works, viz. Department of Space, Atomic Mineral Division, Oil India Ltd. SJVNL, Erinco, Soma, Naftogaz, Asian Development Bank, etc.

Job Opportunities

Our students after getting their M.Sc. degree get absorbed at various capacities in organizations like Geological Survey of

Profile

Year of Establishment : 1950

Head of the Department : Prof. B.P. Duarah

Courses offered : M.Sc. Ph.D.

Intake : M.Sc.- 28

Contact : The Head

Department of Geological Sciences

Tel: 0361-2570220

Mob: +919864324036

Email : bpdurah@yahoo.com

Website : www.gauhati.ac.in

India. Central Ground Water Board, ONGC, OIL, Wadia Institute of Himalayan Geology, private oil exploration companies in India and abroad, mining companies, hydropower companies and academic institutions.

SYLLABUS STRUCTURE UNDER CBCS

Semester-I

| Code | Course | Credit | Contact hour | Total marks (External + Internal) | Type of the Course |
|----------|---|--------|--------------|-----------------------------------|--------------------|
| GLG-1016 | Group-A: Structural Geology | 4 | 48 | 70(55+14) | Core (Theory) |
| | Group-B: Seismology | 2 | 24 | 30(24+6) | |
| GLG-1026 | Group-A: Mineralogy & Crystal Chemistry | 3 | 36 | 50(40+10) | Core (Theory) |
| | Group-B: Thermodynamics in Geology | 3 | 36 | 50(40+10) | |
| GLG-1036 | Group-A: Geoinformatics | 3 | 36 | 50(40+10) | Core (Theory) |
| | Group-B: Geomorphology & Quaternary Geology | 3 | 36 | 50(40+10) | |
| GLG-1044 | Group-A: Structural Geology | 3 | 72 | 50(40+10) | Core (Practical); |
| | Group-B: Seismology | 1 | 24 | 20(18+4) | Core (Practical); |
| GLG-1052 | Mineralogy | 2 | 48 | 30(24+6) | Core (Practical); |
| GLG-1064 | Group-A: Geoinformatics | 2 | 40 | 35(28+7) | Core (Practical); |
| | Group-B: Geomorphology & Quaternary Geology | 2 | 48 | 35(28+7) | |
| GLG-1072 | Field Mapping # | 2 | 60 | 30 (Internal) | Core (Fieldwork) |
| | Total | 30 | 516 | 500 | |

Field mapping is of one week duration with about 60 contact hours.

Semester-II

| Code | Course | Credit | Contact hour | Total marks (External + Internal) | Type of the Course |
|----------|---|--------|--------------|-----------------------------------|--------------------|
| GLG-2016 | Group-A: Hydrogeology | 4 | 48 | 70(58+14) | Core (Theory) |
| | Group-B: Climatology and Oceanography | 2 | 24 | 30(24+6) | |
| GLG-2026 | Group-A: Igneous Petrology | 3 | 36 | 50(40+10) | Core (Theory) |
| | Group-B: Metamorphic Petrology | 3 | 36 | 50(40+10) | |
| GLG-2035 | Group-A: Geochemistry and Isotope Geology | 3 | 36 | 45(35+9) | Core (Theory) |
| | Group-B: Application of Statistics in Geology | 2 | 24 | 35(28+7) | Core (Theory) |
| GLG-2042 | Engineering Geology | 2 | 24 | 40(32+8) | Core (Theory) |
| GLG-2052 | Hydrogeology | 2 | 40 | 40(32+8) | Core (Practical); |

| | | | | | |
|----------|--|--------|----------|----------------------|--|
| GLG-2064 | Group-A: Igneous Petrology Group-B: Metamorphic Petrology | 2 2 | 48 48 | 35(28+7) 35(28+7) | Core (Practical) |
| GLG-2073 | Group-A: Geochemistry and Isotope Geology | 1 | 24 | 20(15+4) | Core |
| GLG-2082 | Group-B: Statistics in Geology Engineering Geology | 2 2 | 48 48 | 30(24+6) 20(16+4) | Core (Practical) Core (Practical) |
| Total | | 30 | 492 | 500 | |

Semester-III

| Code | Course | Credit | Contact hour | Total marks (External + Internal) | Type of the Course |
|----------|--|-------------|----------------|-----------------------------------|--|
| GLG-3016 | Group-A: Economic Geology – Genesis Group-B: Economic Geology – Indian deposits Group-C: Exploration and mining | 3 2 1 | 36 24 12 | 50(40+10) 30(24+6) 20(16+4) | Core (Theory) |
| GLG-3024 | Group-A: Sedimentology Group-B: Surveying and Mapping | 3 1 | 36 12 | 50(40+10) 20(16+4) | Core (Theory) |
| GLG-3036 | Stratigraphy Group-A: Principles of Stratigraphy Group-B: Indian Stratigraphy Group-C: Stratigraphy of North-East India | 2 3 1 | 24 36 12 | 30(24+6) 50(40+10) 20(16+4) | Core (Theory) |
| GLG-3044 | Group-A: Economic Geology Group-B: Sedimentology | 2 2 | 48 48 | 25(20+5) 25(20+5) | Core (Practical) |
| GLG-3052 | Group-A: Stratigraphy | 1 | 24 | 30(24+6) | Core |
| GLG-3062 | Group-B: Surveying and Mapping Fieldwork# | 1 2 | 24 60 | 20(16+4) 30 (Internal) | Core (Practical) Core (Fieldwork) |
| GLG-3073 | Open Course-1: Geodynamics | 3 | 36 | 50(40+10) | Open (Theory) |
| GLG-3083 | Open Course-2: Planetary Geology | 3 | 36 | 50(40+10) | Open (Theory) |
| Total | | 30 | 468 | 500 | |

Fieldwork is of one week duration with about 60 contact hours.

Semester-IV

| Code | Course | Credit | Contact hour | Total marks (External + Internal) | Type of the Course |
|----------|---|--------|--------------|-----------------------------------|-------------------------|
| GLG-4014 | Palaeontology | 4 | 48 | 70(55+14) | Core (Theory) |
| GLG-4026 | Fuel Geology Group-A: Coal Group-B: Petroleum | 3 3 | 36 36 | 50(40+10) 50(40+10) | Core (Theory) |
| GLG-4034 | Group-A: Coal Group-B: Petroleum | 2 2 | 48 48 | 35(28+7) 35(28+7) | Core (Practical) |
| GLG-4042 | Palaeontology | 2 | 48 | 30(24+6) | Core (Practical) |
| GLG-4056 | Elective*1 (Mandatory) | 6 | 72 | 100(80+20) | Elective (Theory) |
| GLG-4062 | Elective*1 (Mandatory) | 2 | 48 | 30(24+6) | Elective (Practical) |
| GLG-4078 | Project Work*2 (in lieu of the mandatory Elective Course) | 8 | 150 | 130 | Project |
| GLG-4083 | Open Course-3: Fluvial System | 3 | 36 | 40+10=50 | Open (Theory) |
| GLG-4093 | Open Course-4: Environmental Geology | 3 | 36 | 40+10=50 | Open (Theory) |
| Total | | 30 | 486 | 500 | |

*1: The students will have to opt for a compulsory elective course out of the offered two elective courses by the department annually for their choice, which will be notified from the list of the following courses –

1. Petroleum Exploration

2. Basin Analysis

3. Coal and Organic Petrology

4. Advanced Geoinformatics

5. Geo-Exploration

6. Advanced Sedimentology
7. Advanced Geochemistry and Thermodynamics

*2: The project work will be offered to students in lieu of the Elective Course and to how many students the Project Works will be offered shall be decided by the DAC. Project work will be offered only to those students with average score of 70% in the M. Sc. 1st and 2nd End Semester examinations.

N.B.: Seminar, Home Assignment, Sessional / Unit Tests will be part of the continuous evaluation in each of the Theory Paper within the given internal marks.

Faculty : Teaching and Research Interests

Professor

A.D. Patgiri, M.Tech. Ph. D.
Hydrogeology, Remote Sensing

A.C. Mazumdar, M.Sc. Ph.D.
Metamorphic Petrology

D.N. Das, M.Tech, Ph.D.
Petroleum Geology

B.P. Duarah, M.Sc. Ph.D. (**Head of the Department**)
Sedimentology, Remote Sensing and GIS, Geostatistics, Seismotectonics

Associate Professor

P. Phukon, M.Sc., Ph.D.
Geomorphology

S. Phukan, M.Sc. Ph.D.
Coal and Organic Petrology

B. Gogoi, M.Sc., Ph.D.
Palaeontology

Assistant Professor

J.J. Laskar, M.Sc., Ph.D.
Sedimentology and Engineering Geology.

B. Bhagabaty, M.Sc., Ph.D.
Geochemistry

Guest Faculty

K.P. Sarma, M.Sc., Ph.D.
Structural Geology

Faculties

Laboratory and Library

The Department is well-equipped for teaching and research with four general laboratories and seven special laboratories. It has audio-visual teaching aids and a well-equipped general conference hall.

The Department has a good departmental library with text and reference books. The online journal can be assessed from the central computer facility.

Geological Museum

The Geological Museum of the department has a good collection of rocks, fossils and mineral samples including a collection of gemstones.

How to Find US

The Department of Geological Sciences is situated in the westernmost part of the university campus between the Department of Physics and Department of Environmental Science on the southern side of the main road which runs through the campus. It occupies the ground floor of the building which is also shared by the Department of Geography and Department of Anthropology.



MATHEMATICS

The Department

Due to the dedication and relentless efforts of a galaxy of teachers such as V.D. Thawani, Huzurbazar, Jyotiprasad Medhi, Siben Barua, A.K. Palit, E.R. Suryanarayan, S.C. Nag, Bhupati Chandra Deka, Mrigendra Kumar Mahanta, Amala Bezbaruah, Arabinda Deb Misra, Binoy Kumar Tamuli, Mahendra Nath Barua, K. Rajendra Singh, Buddha Prasad Chetiya and U.N. Das that the Department of Mathematics of Gauhati University was developed into a centre of excellence for teaching and research in Mathematical sciences.

To enable the students and participants from various colleges to become aware of new developments in the subject, some visiting professors from outside the state and country were invited to deliver lectures in summer schools, seminars and conferences. Newly developed topics like Abstract Algebraic Topology, Measure Theory, Functional Analysis, Numerical Analysis, Magneto Hydrodynamics, Non-Newtonian fluids and Plasma Physics etc. were introduced either in the syllabus or in research work. Subsequently, this helped the teachers and students passing out of this Department to undertake research in premier institutions like the Universities of Oxford, Birmingham, Edinburgh, Florida, Rhodes Island, Halifax, Trent, Physical Research Laboratory IITs and IISc.

The Department has received grants from the University Grants Commission, New Delhi, in the plan of DRS Project (Phase I, II) Under the Special Assistance Programme (SAP).

Profile

Year of Establishment : 1948

Head of the

Department : Prof. Helen Kumari Saikia

Courses Offered : M.A./M.Sc. in Mathematics
Ph.D.

Course through IDOL : M.A./M.Sc. in Mathematics

Intake : M.A./M.Sc.80

Location : Arts building, right wing,
(south west corner), first floor,

Contact : The Head
Department of Mathematics
Tel : 0361-2570270

Website : www.gauhati.ac.in/mathematics/

SYLLABUS STRUCTURE UNDER CBCS

| 1 st Semester (ALL CORE PAPERS) | | | | | | |
|--|-------------|---|---|---|---|---|
| Sl. No. | Course Code | Course Title | L | T | P | C |
| 1 | MAT 1016 | Algebra | 4 | 2 | 0 | 6 |
| 2 | MAT 1026 | Differential Equations | 4 | 2 | 0 | 6 |
| 3 | MAT 1036 | Mechanics and Tensors | 4 | 2 | 0 | 6 |
| 4 | MAT 1046 | Real Analysis and Lebesgue Measure | 4 | 2 | 0 | 6 |
| 5 | MAT 1056 | Programming with C (Theory and Practical) | 4 | 1 | 1 | 6 |
| 2 nd Semester (ALL CORE PAPERS) | | | | | | |
| 1 | MAT 2016 | Complex Analysis | 4 | 2 | 0 | 6 |
| 2 | MAT 2026 | Topology | 4 | 2 | 0 | 6 |
| 3 | MAT 2036 | Functional Analysis | 4 | 2 | 0 | 6 |
| 4 | MAT 2046 | Number Theory and Graph Theory | 4 | 2 | 0 | 6 |
| 5 | MAT 2156 | Mathematical Methods | 4 | 2 | 0 | 6 |

| 3 rd Semester | | | | | | |
|--------------------------|-------------|---|---|---|---|---|
| Sl. No. | Course Code | Course Title | L | T | P | C |
| 1 | MAT 3016 | Continuum Mechanics and Hydrodynamics (CORE) | 4 | 2 | 0 | 6 |
| 2 | MAT 3026 | Dynamical Systems and Fractal Geometry (CORE) | 4 | 2 | 0 | 6 |
| 3 | MAT 3036 | Special Theory of Relativity/ Advanced Functional Analysis (OPTIONAL) | 4 | 2 | 0 | 6 |
| 4 | MAT 3046 | Fuzzy Sets & Systems/ Space Dynamics (OPEN, OPTIONAL) | 4 | 2 | 0 | 6 |
| 5 | MAT 3056 | Advanced Algebra / Partial Differential Equations (OPTIONAL) | 4 | 2 | 0 | 6 |
| 4 th Semester | | | | | | |
| 1 | MAT 4016 | Operation Research (CORE) | 4 | 2 | 0 | 6 |
| 2 | MAT 4026 | Numerical Analysis (CORE) | 4 | 2 | 0 | 6 |
| 3 | MAT 4036 | Measure Theory/ Computer Algebra (OPTIONAL) | 4 | 2 | 0 | 6 |
| 4 | MAT 4046 | Math.Logic / Fluid Dynamics (OPTIONAL, OPEN) | 4 | 2 | 0 | 6 |
| 5 | MAT 4056 | General Theory of Relativity and Cosmology/Algebraic Topology/Industrial Mathematics (OPTIONAL) | 4 | 2 | 0 | 6 |

Note: 1. In course code, the first digit indicates the semester, the next two the course serial number and the fourth the credit the course carries.

Specialization offered

Pure Mathematics
Applied Mathematics

Faculty : Teaching and Research Interests

Professors

Tarini Kumar Dutta, M.Sc. (Gau), Ph.D. (Edin), Post Doc (Edin)
Functional Analysis, Topology and Dynamical System

Kuntala Patra, M.Sc. (Gau), Ph.D. (Gau)
Algebra, Algebraic Topology, Graph Theory, Mathematics Education

Rita Choudhury, M.Sc. (Dib), Ph.D. (Dib)
Fluid Dynamics, Bio-Mathematics, Continuum Mechanics, Non-Newtonian Fluid Flow Mechanics, Mathematics Education

Helen Kumari Saikia, M.Sc. (Nehu), M.Phil. (Gau), Ph.D. (Gau),
(Head of the Department)
Number Theory, Algebra, Fuzzy Algebra.

Rudra Kanta Deka, M.Sc. (Gau), Ph.D. (Gau), D.Sc. (Gau),
PGDCA (Gau)
Computational Fluid Dynamics

Nazibuddin Ahmed, M.Sc. (Gau), Ph.D (Gau)
Fluid Dynamics, Magnetohydrodynamics.

Hemanta Kumar Sarmah, M.Sc. (Delhi), Ph.D. (Gau)
Dynamical System, Mathematics Education

Kanika Das, M.Sc. (Gau), Ph.D. (Gau)
Relativity, Mathematics Education.

Associate Professor

Chandra Rekha Mahanta, M.Sc. (Delhi), Ph.D (Gau)
Topology, Relativity & Cosmology

Assistant Professor

Nilakshi Goswami, M.Sc. (IIT, Delhi), Dip. Comp. Sc. (IIT, Delhi),
Ph.D (Gau)
Functional Analysis, Fuzzy Mathematics.

Hemen Dutta, M. Sc. (Gau), Ph.D. (Gau), M.Phil, PGDCA (IDOL,
Gau)
Mathematical Analysis, Fuzzy Mathematics, Mathematical Logic.

Debasish Bhattacharjee, M.Sc. (Gau), Ph.D. (Gau),

Emeritus Fellow (UGC)

Bhaben Chandra Kalita, M.A. (Gau), Ph.D. (Gau)
Plasma, Relativity, Graph Theory.

Khanindra Chandra Chowdhury, M.Sc. (Gau), M.Phil (Panjab
University), Ph. D. (Gau)
Algebra, Number Theory, Graph Theory, Topology & Algebraic Structures.

Employability

The new syllabus has been designed in such a way that students get easy access to get jobs in different private sectors/industries etc. in addition to the general academic fields.

Placement Profile

Many students are placed in colleges, University and other Educational Institutions.

Clubs and Societies

Since 1993, the Gauhati University Mathematics Association (GUMA) has been working to promote the cause of advanced study and research in various branches of Mathematics through its publications and by organizing seminars, symposia, exhibition and conferences.

The Association also tries to popularise Mathematics among students by arranging popular lectures, quiz, debating and essay competitions on mathematical topics.

Endowment Lectures

The Phanidhar Datta Memorial Lecture, instituted in 1999 with a handsome donation offered by Dr. Dilip Kumar Datta, Professor of Mathematics. University of Rhodes Island, U.S.A. is held annually.

Scholarships/ Prizes Awarded

The **Amala Bezbaruah Memorial Award** of Rs. 10,000/- along with a citation is awarded every year to the student who secures the highest aggregate mark in the first and second semesters.

The Department offers some support to two bright students (one from each year) facing financial hardship from the interest on a sum of Rs. 30,000/- contributed in equal amounts by Prof. U.N. Mishra and GUMA.

NET/JRF Support.

Various faculty members and research scholars of the Department offer coaching support to the NET tutorial classes organized by the Pre-Examination Training Centre of the University.

NET/JRF/SET

Total UGC-CSIF JRF (NET)/LS qualified students in the last 5 years : JRF-1, LS-4, SET-12

UGC-BSR Fellowship

13 Ph.D. candidates were awarded UGC-BSR Scholarships

Facilities

Library

The Department has a well-built library for which books and journals are regularly bought from an annual grant of Rs.7 to 8 lacs from the National Board for Higher Mathematics (NBHM).

Computer Lab

The Department has a computer lab with thirty computers. Students do their practical in this lab for the two papers in the curriculum that relate to the use of computers.

PHYSICS

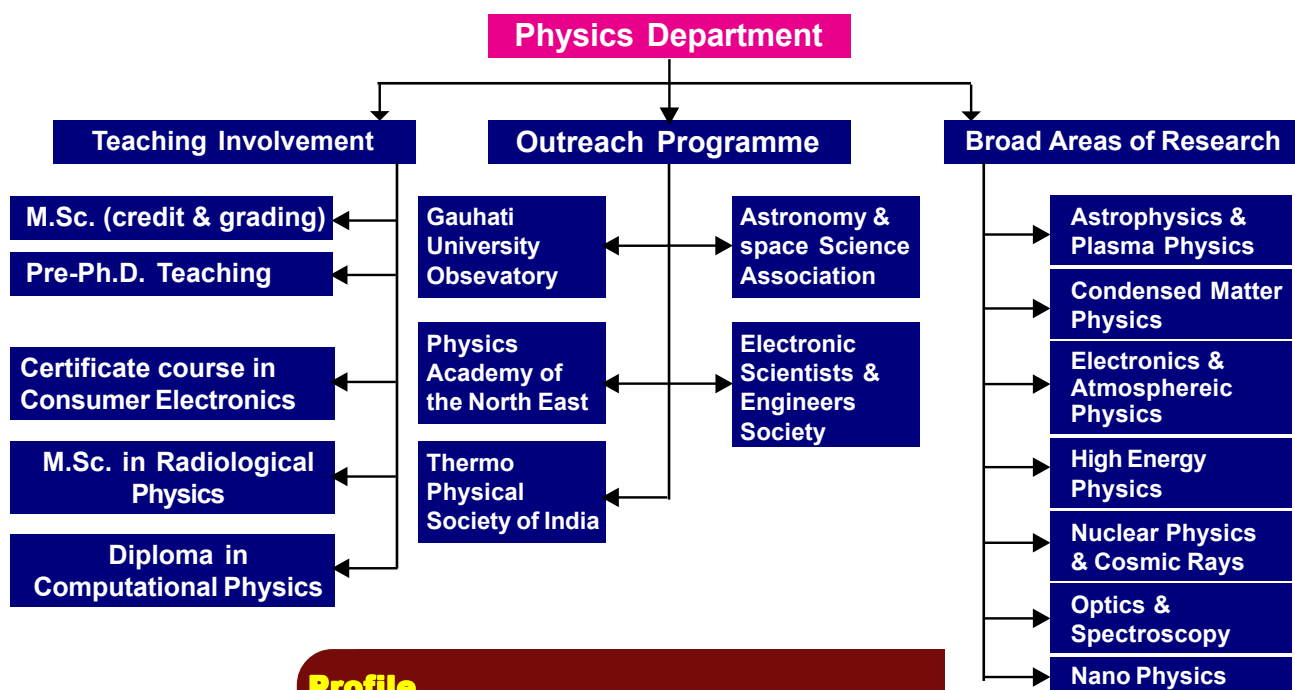
The Department

The Department of Physics, established in 1954, was one of the first few departments with which Gauhati University started functioning in the present campus. At present the Department has fourteen faculty members (excluding one on lien), actively engaged in teaching, research, outreach programmes and other academic activities of the Department. About seventy full-time and part-time research scholars are engaged in pursuing their Ph.D. research work, both in experimental and theoretical physics.

The Department offers two full-time courses: M.Sc and Ph.D. in physics. The M.Sc. Course duration is two years, and is completed in four semesters, under the choice-based credit and grading system. Three elective papers out of a total of twelve are to be chosen. Every year, a reasonable number of students qualify in the NET, GATE and other national level examinations.

The present faculty is engaged in diverse and active research areas with research projects sponsored by UGC, DST, DAE, ISRO, DRDO, DBT etc. The results of such research activities are presented in different referred journals of national and international repute. The total amount of sponsored on-going research projects stands above Rs. 2 crores.

Besides individual research grants, the Department of Physics has received grants from the FIST Programme of the DST and the SAP Programme of the UGC for the infrastructure development of the Department.



Profile

| | |
|---------------------------|--|
| Year of Establishment | : 1954 |
| Head of The Department | : Prof. A. Gohain Barua |
| Course offered | : M.Sc. in Physics (2 years, 4 Semesters) M.Sc. in Radiological Physics (2 years, 4 Semester + 1 year internship) Ph.D. in Physics |
| Intake | : M.Sc. in Physics : 50 M.Sc. in Radiological Physics : 10 |
| Contact | : Head, Department of Physics Tel. : 0361-2570531 0361-2700311 (Fax) |
| E-mail | : physics@gauhati.ac.in |
| Website | : www.gauhati.ac.in/physics |

Course Structure of M.Sc. (Radiological Physics)

Semester-wise credit-based course structure :

| | | |
|-----------------|---|-------------|
| First Semester | = | 30 Credits |
| Second Semester | = | 32 Credits |
| Third Semester | = | 32 Credits |
| Fourth Semester | = | 30 Credits |
| Total Credits | = | 124 Credits |

* Option to select multiple elective papers available in this semester

Faculty : Teaching and Research Interests Professor

Kalyanee Boruah, M.Sc. (Gau), Ph.D. (Gau)
Nuclear Physics and Cosmic Ray Physics

Ngangkham Nimai Singh, M.Sc. (Delhi), Ph.D. (Delhi)
Theoretical High Energy Physics [On Lien]

Anurup Gohain Barua, M.Sc. (Dib), Ph.D. (Dib), (**Head of the Department**)
Spectroscopy

Madhurjya Prasad Bora, M.Sc. (Delhi), Ph.D. (Delhi)
Plasma Physics and Astrophysics

Deepali Sarkar, M.Sc. (Jadavpur), Ph.D. (IACS Kolkata)
Condensed Matter Physics

Buddhadev Bhattacharjee, M.Sc. (Gau), Ph.D. (Gau)
Nuclear Physics

Associate Professor

Banty Tiru, M.Sc. (Gau), Ph.D. (Gau)
Electronics

Kalpana Bora, M.Sc. (Delhi), Ph.D. (GAU)
High Energy Physics

Assistant Professor

Kushal Kalita, M.Sc. (Delhi), Ph.D. (Delhi)
Nuclear Physics

Manas Pratim Chakrapani Kalita, M.Sc. (Gau), Ph.D. (IIT Gau)
X-Ray Crystallography

Sanjeev Kalita, M.Sc (Gau)
Astrophysics.

Abhijit Das, M.Sc. (Gau), Ph.D, IIT (Gau)
Spectroscopy

Bimal Kumar Sarma, M.Sc. (Gau), Ph.D. (Gau)
X-Ray Crystallography

Sulochana Deb, M.Sc. (Gau), Ph.D. (Gau)
Condensed Matter Physics

Simanta Hazarika, M.Sc. (Gau), Ph.D. (Gau)
Spectroscopy

Research Scholars

About 70 research scholars are engaged in various scientific research in the Department at the doctoral level, of which

twenty research scholars are recipients of full-time research fellowships.

Employability

Students of the department are getting employment opportunities in various Universities, Research Institutes, R & D Organizations, State and Central Government Departments, Banking Organizations and Private and Public Limited Companies. Moreover, teaching opportunities in educational institutions, including various post graduate and undergraduate colleges and schools, are also available from time to time.

Clubs and Societies

Physical Society

The Department has its own Physical Society which holds a **Weekend Seminar** in the afternoon of every working Friday. The seminar is attended by all students, research scholars and faculty members of the Department. Occasionally Guest speakers from other institutes are invited to deliver lectures in the Weekend Seminars. The Society holds an annual poster competition in the Department, where participants from other PG Departments of this University and colleges display their work on a current topic of Physics in the form of a poster. Prizes are given out to the winners in a special meeting. The Physical Society also partially sponsors various scientific and sports activities of the Department.

Physical Academy of the North East (PANE)

This is a forum of physics researchers of the North East, of which the Department is an active member. The Headquarter of PANE is located at the premises of this Department, G.U. The foundation day of PANE is observed on 6th April Every year. URL: <http://www.gauhati.ac.in/PANE/>

Endowment Lecture

P C Mahanta Memorial Lecture named after the founder teacher of this Department, Prof. Paban Chandra Mahanta, is organized by the Department every year.

NET/JRF/GATE/JEST

Six students from this Department have qualified during 2013-15.

Facilities

The following major facilities are available at the Department of Physics:

Computer Laboratory

The Computer Laboratory has been renovated and upgraded with 25 desktops, one additional HP air-conditioned Server and one additional 6 KVA on-line UPS. Each laboratory, faculty members' cabins, office room are connected through LAN where internet connectivity is available and maintained from the Computer Laboratory. Students and research scholars are allowed to browse for their academic needs. Internet connectivity through ernet is available round the clock.

Astronomical Observatory

The Gauhati University Observatory (GUO) is located about half a kilometre from the Department. It houses a modern

12-inch automated telescope with CCD camera and solid state photometer. The GUO is receiving a major uplift with the induction of a 14-inch, GPS-enabled telescope with SGS spectrograph and ST-7 CCD camera. It is network-enabled and integrated into the campus-wide LAN.

Nuclear Physics lab and Cosmic Ray Lab

One of the major facilities of Nuclear Physics Laboratory is Neutron Howitzer Source where artificial radioactive source of short life time are produced for student experiments. Other than that, a Si-surface barrier detector alpha spectrometer is also available at this Laboratory. The Cosmic Ray Laboratory has plastic Scintillators, 3-fold G M Coincidence detector & resistive Plate Counters for detecting ultra high energy cosmic rays (UHECR). Computing facility with standard CORSIKA Simulation Software is also available.

Advanced Spectroscopy Laboratory

This has Holographic Image Processing equipments for creating computer-generated holography using a Spatial Light Modulator.

Other Laboratories

The department has a Condensed Matter Laboratory, Nano Physics Laboratory, Electronics Laboratory and an Atmospheric Laboratory.

Modern Air-conditioned Lecture Gallery and Conference Hall

Popularly known as the Physics Gallery, it has multi-media projection facility with wireless PA system, power backup, and wireless Internet access points for easy access during lectures.

There is a fully air-conditioned 30-seated modern and well-furnished Conference Hall for holding important meetings of the Department.

Fully Computerised Air-conditioned Departmental Seminar Library

This has over one thousand five hundred books and some renowned research journals related to various research groups and students courses. There is a provision for keeping it open for student beyond office hours.

Modern Facilities for M.Sc. Students

The Computer Laboratory can be kept open for designated users beyond office hours and on holidays. The Department has three high-speed laser printers with two photocopying facilities. One of these is located in the seminar library and the other in the Computer Laboratory, which provide in-house photocopying facility for students and researchers.

New Facilities

- a) 3 Node Cluster Computing System with a high speed IBM/HP Server under DST-sponsored FAIR international collaborative research project in Nuclear and Radiation Physics Research Laboratory.
- b) 6 Node (16 core) Parallel Computing Cluster with Intel Itanium Servers (HP) and Intel Xeon Servers (Apple) in its Plasma Research Laboratory
- c) 14-inch Astronomical telescope for the Gauhati University Observatory (GUO).
- d) Super Computing facility for atmospheric research.

Workshop Facility

To help carrying out experiments in teaching and research, the department has a workshop consisting of Electronics, Machine, Glass-flouring and Carpentry Workshop.

How to Find Us

The Department of Physics is located on the western side of the Department of Botany and southern part of Main Road.



SYLLABUS STRUCTURE UNDER CBCS (M.Sc. in Physics)

| Semester I | | | | | | | | |
|-------------------------------------|---|--------------------|---------|-------|-------------|-----------|----------------|---------------|
| Course Code | Course Name | Course Type | Lecture | Tutor | Practical | Credit | Credit | Credit |
| PHY 1015 | Mathematical Physics | Core | 4 | 1 | 0 | 5 | 5 | 5 |
| PHY 1025 | Classical Mechanics | Core | 4 | 1 | 0 | 5 | 5 | 5 |
| PHY 1035 | Quantum Mechanics I | Core | 4 | 1 | 0 | 5 | 5 | 5 |
| PHY 1045 | Electrodynamics | Core | 4 | 1 | 0 | 5 | 5 | 5 |
| PHY 1055 | General Practical | Core (Pr) | 0 | 0 | 5 | 5 | 5 | 5 |
| PHY 1062 | Electronics Workshop | Value Added | 0 | 0 | 2 | 2 | 2 | 2 |
| Semester Total | | | 16 | 4 | 5+2 | 25+2 | 25+2 | 25+2 |
| Semester II | | | | | | | | |
| PHY 2016 | Part A: Atomic, Molecular & Laser Physics I | Core | 2 | 1 | 0 | 6 | 6 | Graded |
| | Part B: Nuclear Physics I | | 2 | 1 | 0 | | | |
| PHY 2025 | Condensed Matter Physics I | Core | 4 | 1 | 0 | 5 | 5 | Graded |
| PHY 2035 | Electronics I | Core | 4 | 1 | 0 | 5 | 5 | Graded |
| PHY 2045 | Computational Physics | Core | 4 | 1 | 0 | 5 | 5 | Graded |
| PHY 2055 | General Practical | Core (Pr) | 0 | 0 | 5 | 5 | 10 | Graded |
| PHY 2062 | Machine Workshop | Value Added | 0 | 0 | 2 | 2 | 4 | Not Graded |
| Semester Total | | | 16 | 5 | 5+2 | 26+2 | 31+4 | |
| Semester III | | | | | | | | |
| PHY 3015 | Atomic Molecular & Laser Physics II | Core | 4 | 1 | 0 | 5 | 5 | Graded |
| PHY 3025 | Nuclear Physics II | Core | 4 | 1 | 0 | 5 | 5 | Graded |
| PHY 3036 | Part A: Condensed Matter Physics II | Core | 2 | 1 | 0 | 6 | 6 | Graded |
| | Part B: Electronics II | | 2 | 1 | 0 | | | |
| PHY 3046 | Astrophysics | Elective | 3 | 1 | 2 | 6 | 8 | Graded |
| | High Energy Physics | | 5 | 1 | 0 | 6 | 6 | |
| | Molecular & Laser Spectroscopy | | 5 | 1 | 0 | 6 | 6 | |
| | Nanophysics | | 5 | 1 | 0 | 6 | 6 | |
| | Physics of Thin Films | | 3 | 1 | 2 | 6 | 8 | |
| | Advanced Mathematical Physics | | 5 | 1 | 0 | 6 | 6 | |
| Semester IV | | | | | | | | |
| PHY 4015 | Quantum Mechanics II | Core | 4 | 1 | 0 | 5 | 5 | Graded |
| PHY 4025 | Statistical Mechanics | Core | 4 | 1 | 0 | 5 | 5 | Graded |
| PHY 4035 | Experimental Methods | Core | 4 | 1 | 0 | 5 | 5 | Graded |
| PHY 4046 | Advanced Electronics | Elective & Open | 3 | 1 | 2 | 6 | 8 | Graded |
| | Applied Nuclear Physics | | 3 | 1 | 2 | 6 | 8 | |
| | Cosmic Rays | | 3 | 1 | 2 | 6 | 8 | |
| | Gauge Theories | | 5 | 1 | 0 | 6 | 6 | |
| | GTR & Cosmology Plasma Physics | | 3 | 1 | 2 | 6 | 8 | |
| PHY 4055 | Dissertation | Core | 0 | 0 | 5 | 5 | 10 | Graded |
| PHY 4056 | Fundamentals of Lasers and Photonics | Open | 5 | 1 | 0 | 6 | 6 | Graded |
| Semester Total | | | 17/15 | 4 | 7/5 | 26 | 33/31 | |
| Grand Total (Excluding Open Course) | | | 66/62 | 18 | 24/2 0+4 | 104 +6 | 128/124+1 2 | |

STATISTICS

The Department

The Department of Statistics was established in order to impart advanced training and research on statistical techniques to study data in relation to natural, biological and social phenomena and has been making significant contributions in these aspects for the last six decades. The Department has received funding from DST (FIST) and UGC under its Special Assistance Programme (SAP) : DRS-1.

Among other things, the purpose of Statistics is to help policy making as well as taking business and administrative decisions in economic, official, biological and social aspects or in making inductive inferences in all the sciences, both natural, official, biological and social.

Statistics is now recognized as an integrated discipline or technology on its own right.

Profile

Year of Establishment : 1948

Head of Department : Prof. Amit Choudhury

Course offered : M.A. / M.Sc. in Statistics
M. Phil.
Ph.D.

Intake : M.Sc. - 30
M. Phil. - 6
Ph.D.

Contact : The Head, Department of
Statistics
+91-361-2700288 (O)
+91-9435015217 (M)

Website : www.gauhati.ac.in/statistics/

SYLLABUS STRUCTURE UNDER CBCS

| Course Code | First Semester |
|-------------|---|
| STA 1016 | Real Analysis & Special Functions (O) |
| STA 1026 | Linear Algebra (C) |
| STA 1036 | Measure Theory & Probability (C) |
| STA 1046 | Sample Survey (C) |
| STA 1056 | Practical (Sample Survey) (C) |
| | Second Semester |
| STA 2016 | Distribution Theory and Simulation (C) |
| STA 2026 | Statistical Inference-1 (Point and Interval Estimation) (C) |
| STA 2036 | Linear Models and Design of Experiment (C) |
| STA 2046 | Computer Programming (C) |
| STA 2056 | Practical (C) |
| STA 2066 | Statistical Methods with Applications (O) |
| | Third Semester |
| STA 3016 | Multivariate Analysis (C) |
| STA 3026 | Testing of Hypothesis (Inference 2) (C) |
| STA 3036 | Stochastic Process & Time Series (C) |
| STA 3046 | Elective Paper(Students are to choose one out of the following options) Option A- Actuarial Statistics -I Option B - Bio-Statistics -I Option C - Data Mining Option D – Demography -I Option E - Econometrics |

| | |
|--|--|
| | Option F - Operation Research -I Option G - Survival Analysis -I |
| STA 3056 | Practical (C) |
| | Fourth Semester |
| STA 4016 | Non Parametric Statistical Inference and Semi Parametric methods (C) |
| STA 4026 | Regression & Operations Research (C) |
| STA 4036 | Demography and Statistics for National Development (O) |
| STA 4046 | Elective Paper(Students are to choose one out of the following as a corresponding sequel to STA 3156) Option A – Actuarial Statistics –II Option B – Bio-statistics – II Option C – Computational Mathematics Option D – Demography – II Option E – Econometrics –II Option F – Operation Research – II Option G – Survival Analysis - II |
| STA 4056 | Project (C) |
| Notes: | |
| <ol style="list-style-type: none"> In course code ,the first digit indicates the semester, the next two the course serial number and the fourth the credit the course carries. (O) = Open Course. (C) = Core Course. Course STA 2066 will be open to P.G. students from departments other than Statistics (maximum intake 25). P.G. students of Dept of Statistics G.U. will not be allowed to undergo this course. Course STA 1016 & STA 4036 will be open to P.G. students from all departments including Statistics. A maximum of ± 5 students shall be allowed in these two courses, over and above P.G. students admitted to Dept. of Statistics | |

Eligibility

For M.Sc in Statistics

- * Students with TDC in Statistics (Major) having Mathematics as general subject.
- * Students with TDC in Physics (Major) or Economics (Major) and with Mathematics and Statistics as general subjects.
- * Students with TDC in Mathematics (Major) with Statistics as a general subject.

* Students with Statistics as a general subject (with a minimum of 45% marks) with Mathematics as one of the subject.

Specialisation offered

- Operations Research
- Demography
- Econometrics
- Data Mining and Knowledge Discovery & Numerical Analysis
- Actuarial Statistics
- Bio-Statistics

Faculty : Teaching and Research interests

Professors :

Amit Choudhury, M.Stat., (ISI, KOL), Ph.D. (GAU), (*Head of the Department*)

Operation Research, Computer Programming, Inference.

Hemanta K. Baruah, M.Sc. (GAU), Ph.D. (IIT Kharagpur)
Fuzzy Mathematics, Mathematical Modeling, Graph Theory, Data Mining, Queuing Theory, Linear Programming, Real Analysis, Chaos Theory (on lien).

Dilip C. Nath, M.Sc. (DELHI), Ph.D. (BHU), Post-Doctorate (Duke), Post-Doctorate (Univ. of Washington)
Demography, Bio-Statistics, Probability, Inference (on leave).

Pranita Sarmah, M.Sc. (GAU), M.Phil. (PUNE), Ph.D. (PUNE)
Reliability, Stochastic Processes, Mathematical modeling, Inference.

Labananda Choudhury, M.Sc. (GAU), M.Phil. (Panjab), Ph.D. (GAU),
Demography, Designs of Experiment, non-parametric.

Kishore K. Das, M.Sc. (GAU), Ph.D. (GAU)
Probability, Distribution theory, Multivariate Analysis, Data Mining, Computer Programming.

Assistant Professor

Ms. Jagriti Das, M.Sc. (GAU)
Actuarial Statistics, Computer Programming, Matrix Algebra.

Employability

- Government of India through the Ministry of Statistics and Program Implementation is in a constant process of recruitment of manpower at different levels. eg. Indian Statistical Service, subordinate Statistical Service etc.
- Census of India constantly recruit manpower at different levels.
- M.Sc. Statistics makes one eligible to appear for NET examination in two different subjects—Mathematical Sciences and Population Studies.

- With the increase in private sector jobs, Statisticians have become indispensable for almost every industry.
- The boom in the insurance market and R&D activities in Pharmaceutical Industry has increased the demand for actuarial statisticians and Bio-Statisticians which the Department has started producing of late.
- Govt. of Assam through its departments & colleges.

Placement Profile :

Our students have found placements in different Govt. and Non-Govt. organizations which include the Educational, Banking, Govt. of Assam, Govt. of India and information Technology Sectors.

Facilities

Computer Lab

The Statistics Department houses its own computer laboratory with high speed, fiber optic internet connection. Through internet, one can access full text electronic versions of current and previous issues of more than hundred National and International journals of different subjects. Faculty, research scholars and students can access this facility from the department free of cost.

Library :

There is a Departmental library in the seminar hall of the department which has more than 1200 books, reports, journals, thesis, dissertation etc. The students have access to the library and can borrow books. The collection of books includes reference books for research scholars, text books for M.Sc. students. Encyclopedias, handbooks, statistical tables, rare books and some Central Statistical Organization (CSO) publications, Government of India Publications along with some latest and very expensive titles are also available.

Population Research Centre :

The Centre which is attached to this Department was established in 1979 with full financial Grants-in Aid provided on a year- by-year basis by the Ministry of Health and Family Welfare, Govt. of India, New Delhi.

The main objective of the centre is to carry out research in the field of demographic and socio-economic aspects of Population and Family Welfare in the North-Eastern Region of India. Apart from completing a number of studies for the Ministry of Health and family Welfare the Centre has also collaborated with some state-level and national evaluation projects.

How to Find Us

The Department of Statistics is located at the Western end of the University near Sat Mile the bus stop.

ZOOLOGY

The Department

The Department of Zoology with its mission and vision has devoted to the development and innovation in the subject in N.E. India. Department has devoted wholly to achieve excellence in the field of **Aquaculture & Biodiversity** through biotechnological tools and techniques. The department is being supported by UGC since 2002 under SAP (DRS, Phase : I & II has successfully completed and III phase is under progress in the thrust area of Aquaculture & Biodiversity) programme. It has a separate campus (2nd campus) in the name of Aquaculture & Biodiversity Centre in the heart of the University campus with 16 acre of land along with facilities like all types of Fish Ponds, Fish Hatchery, Ornamental fish farming Unit etc. The department is also supported by Department of Biotechnology, Govt. of India for establishing Hi-tech facilities in the form of **Bioinformatics Information Facilities**.

Profile

Year of Establishment : 1963

Head of

the Department : Prof. Jatin Kalita

Course offered : * M.Sc. (Zoology)

* M.Sc. (Animal Ecology & Wildlife Biology)

* Ph.D., D.Sc.

Intake : M.Sc.(Zoology) - 40

M.Sc. (Animal Ecology & Wildlife Biology) - 20

(Self financed course)

Contact : The Head
Department of Zoology
Tel. : 0361-2700294

E-mail : kalitaj@live.com

Website : www.gauhati.ac.in

5. Wildlife conservation & management, modern tools and techniques of wildlife conservation and management.
6. Ornithology, vertebrate species & wildlife habitats.
7. Protected area network in Northeast India. Threatened species of plants and animals of NE India.
8. Component of wildlife habitat, Wildlife habitat management.
9. Concepts of Conservation, Conservation management issues.
10. Concepts and diversity of Wildlife and Biodiversity.
11. Methods of sampling and data analysis, Wildlife habitat types, wildlife population characteristics.
12. Wildlife distribution and national perspectives.
13. Conservation management, conservation and study of bird's fauna Management techniques of wildlife.
14. Concepts of ecology and ecosystem, Concepts of Biodiversity.
15. Taxonomy and ecological techniques, Behavioural ecology.
16. Legal coverage of Wildlife and biodiversity, Biodiversity conservation, Assessment and monitoring of Biodiversity.

Specializations offered

- (a) Cell & Molecular Biology
- (b) Animal Ecology & Wildlife Biology
- (c) Entomology
- (d) Fish Biology & Fishery Science
- (e) Animal Physiology & Biochemistry

Syllabus for Animal Ecology & Wildlife Biology entrance examination

- A. B.Sc. Major Syllabus of Zoology as per Gauhati University
- B. Wildlife and habitats of Northeast India.
 1. Concepts in ecology & wildlife conservation.
 2. Basic concepts and structure of ecosystems, Functioning of ecosystem.
 3. Plant systematic & vegetation science.
 4. Introduction to angiosperm systematic and evolution, distribution of flora and fauna.

Faculty : Teaching and Research Interests

Professors

Rakesh Kumar Bhola, M.Sc., Ph.D.
Entomology.

Karabi Dutta, M.Sc., Ph.D.
Cell & Molecular Biology.

Jatin Kalita, M.Sc., Ph.D., (**Head of Department**)
Entomology, Biodiversity & Conservation Biology

Prasanta Kumar Saikia, M.Sc., Ph.D.
Animal Ecology & Wildlife Biology.

Jogen Chandra Kalita, M.Sc., Ph.D.
Physiology & Biochemistry

Associate Professor

Dandadhar Sarma, M.Sc., Ph.D.
Fish Biology & Fishery Science.

Assistant Professor

Bulbuli Khanikar, M.Sc., Ph.D.
Entomology

Manas Das, M.Sc., Ph.D.
Animal Physiology & Biochemistry

Hrishikesh Choudhury, M.Sc.
Fish Biology & Fishery Science.

Banasri Mech, M.Sc.
Cell & Molecular Biology

Assistant Professor (Contractual)

Malabika Kakati Saikia, M.Sc., Ph.D.
Animal Ecology & Wildlife Biology.

Clubs and Societies

The Zoological Society of Assam with its Head Office in the Department promotes the biological sciences in North East India through its various programmes and activities. The department has also signed MoU with leading institutes like NBFGR, DCFR etc.

Endowment Lecture

The Prof. Rajendra Prasad Choudhury Annual Lecture

Scholarship/Prizes Award

The Department has BSR scholarships (5 nos.) sponsored by UGC for meritorious students to support Ph.D. studies. The Department also has Maulana Azad fellowship for Minority students and Rajiv Gandhi National Fellowship for SC/ST students.

NET/SLET

Forty students have cleared NET/SLET so far.

Counseling Support

The Departmental offers Counselling to students for all types of competitive examination after post graduation.

Facilities**Library & Computation**

There is a Departmental Library with zerox and computation facilities. A Computer room with access to the internet is available for the use of students and 899 journals are accessible through Delcon-e resources.

Other facilities

1. Bioinformatics Infrastructure Facilities.
2. Aquaculture & Biodiversity Centre.
3. Central Instrumentation facility with sophisticated instruments.
4. Animal House facility with small animals.
5. Audio-Visual facility in classroom.
6. Biodiversity Museum.
7. Meeting and conference room with adequate facility.
8. Fish Pathology Laboratory.

NB : AEWB is a self-financed course and the fee structure is as under :

| | | |
|--------------------------|---|-----------------|
| 1 st Semester | = | 16,000/- |
| 2 nd Semester | = | 16,000/- |
| 3 rd Semester | = | 16,000/- |
| 4 th Semester | = | 15,000/- |
| Total | = | 63,000/- |

Admission in each semester will have to be taken within 10 (ten) days of declaration of result.

How to Find US

The Department of Zoology is situated in the left wing of a three storied building to the west of the K.K. Handiqui Library. Accessible through the University Webpages.

SYLLABUS STRUCTURE UNDER CBCS (M.Sc. in Zoology)

| Semester-1 | | | | | |
|---|--|--------|--------------|-------------|-------------------|
| Code | Course | Credit | Contact hour | Total marks | Type |
| Zoo 1014 | Biosystematics and Biostatistics | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 1024 | Bioinformatics and Instrumentation | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 1034 | Evolution and Chronobiology | 4 | 54 | 40+10 | Core (theory) |
| Zoo 1044 | Genetics and Cytogenetics | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 1054 | Ecology and Environmental biology | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 1064 | Biochemistry | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 1072 | Biosystematics, Biostatistics and Bioinformatics | 2 | 54 | 20+5 | Practical |
| Zoo 1082 | Genetics, Cytogenetics, Evolution and Chronobiology | 2 | 54 | 20+5 | Practical |
| Semester-2 | | | | | |
| Zoo 2014 | Biodiversity and Conservation Biology | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 2024 | Endocrinology | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 2034 | Development Biology | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 2044 | Biotechnology and Tissue Culture | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 2054 | Animal Behaviour | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 2064 | Animal Physiology | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 2072 | Biodiversity, Animal behaviour, Developmental Biology | 2 | 54 | 20+5 | Practical |
| Zoo 2082 | Endocrinology, Animal Physiology, Biotechnology and Tissue Culture | 2 | 54 | 20+5 | Practical |
| Semester-3 | | | | | |
| Zoo 3014 | Cell and Molecular Biology | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 3024 | Immunology and Parasitology | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 3034 | Aquatic Biology and Fishery | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 3044 | Entomology | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 3054 | Reproductive Biology | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 3066 | Fundamentals of Biology (For Science and Non-Science) | 6(4+2) | | 62.5+7.5 | Open |
| Zoo 3072 | Cell Biology, Histology, Histochemistry, Immunology and Reproductive Biology | 2 | 54 | 20+5 | Practical |
| Zoo 3082 | Aquatic Biology, Fishery, Entomology, Parasitology | 2 | 54 | 20+5 | Practical |
| Semester-4 | | | | | |
| ELECTIVE 1: ANIMAL ECOLOGY AND WILDLIFE BIOLOGY SPECIAL PAPER | | | | | |
| Zoo 4014 | Ecosystem Function and Stability | 4 | 54 | 40+10=50 | Elective (Theory) |
| Zoo 4024 | Wildlife and Habitat Interactions | 4 | 54 | 40+10=50 | Elective (Theory) |
| Zoo 4034 | Wildlife Population Ecology | 4 | 54 | 40+10=50 | Elective (Theory) |
| Zoo 4044 | Wildlife Conservation | 4 | 54 | 40+10=50 | Elective (Theory) |
| Zoo 4054 | Wildlife Management | 4 | 54 | 40+10=50 | Elective (Theory) |
| Zoo 4064 | Dissertation | 4 | 54 | 40+10=50 | Dissertation |
| Zoo 4072 | Practical-1 | 2 | 54 | 20+5=25 | Practical |
| Zoo 4082 | Practical-1 | 2 | 54 | 20+5=25 | Practical |
| Elective 2: Animal physiology and Biochemistry | | | | | |
| Zoo 4014 | Biochemistry and Proteomics | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4024 | Enzymology and Recombinant Technology | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4034 | Physiology and Stress Biology | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4044 | Molecular Endocrinology and Reproductive Biology | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4054 | Immunology and Infectious Diseases | 4 | 54 | 40+10 | Core (Theory) |
| Zoo 4064 | Dissertation | 4 | 54 | 40+10 | Dissertation |
| Zoo 4072 | Practical 1 (Biochemistry and Enzymology) | 2 | 54 | 20+5 | Practical |
| Zoo 4082 | Practical 2 (Animal physiology, Reproductive Biology and Immunology) | 2 | 54 | 20+5 | Practical |
| Elective 3: Cell and Molecular Biology | | | | | |
| Zoo 4014 | Molecular cell Biology | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4024 | Membrane Biology | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4034 | Molecular Biology | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4044 | Genomics and Proteomics | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4054 | Immunology and Immunohistochemistry | 4 | 54 | 40+10 | Elective (Theory) |

| | | | | | |
|---|--|---|----|-------|-------------------|
| Zoo 4064 | Dissertation | 4 | 54 | 40+10 | Dissertation |
| Zoo 4072 | Practical 1 (Molecular cell Biology) | 2 | 54 | 20+5 | Practical |
| Zoo 4082 | Practical 2 (Immunology and Immunohistochemistry) | 2 | 54 | 20+5 | Practical |
| Zoo 4064 | Dissertation | 4 | 54 | 40+10 | Dissertation |
| Zoo 4072 | Practical 1 (Molecular cell Biology) | 2 | 54 | 20+5 | Practical |
| Zoo 4082 | Practical 2 (Immunology and Immunohistochemistry) | 2 | 54 | 20+5 | Practical |
| Elective 4: Entomology | | | | | |
| Zoo 4014 | Insect structure and function | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4024 | Insect Ecology | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4034 | Insect Physiology | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4044 | Agriculture and Forest entomology | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4054 | Pest and pest control, Medical and Forensic entomology | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4064 | Dissertation | 4 | 54 | 40+10 | Dissertation |
| Zoo 4072 | Practical 1 (Insect Ecology, Insect physiology) | 2 | 54 | 20+5 | Practical |
| Zoo 4082 | Practical 2 (Agriculture, Forest entomology, pest and pest control and medical entomology) | 2 | 54 | 20+5 | Practical |
| Elective 5: Fish Biology and Fishery Science | | | | | |
| Zoo 4014 | Fish taxonomy and study of fish growth and population | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4024 | Fish physiology and Fish Genetics | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4034 | Capture fisheries and ecosystem management | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4044 | Aquaculture and fish biotechnology | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4054 | Fish pathology and post harvest technology | 4 | 54 | 40+10 | Elective (Theory) |
| Zoo 4064 | Dissertation | 4 | 54 | 40+10 | Dissertation |
| Zoo 4072 | Practical 1 (Taxonomy and fish physiology) | 2 | 54 | 20+5 | Practical |
| Zoo 4082 | Practical 2 (Aquaculture and Fish pathology) | 2 | 54 | 20+5 | Practical |

SYLLABUS STRUCTURE UNDER CBCS (M.Sc. in WILDLIFE SCIENCE)

| SEMESTER-1 | | | | | |
|-------------|--|---------|---------------|-------------|-----------------------|
| Course Code | Name of the Course | Credits | Contact Hours | Total Marks | Type of Course |
| WLS-1014 | Fundamental Ecology and Functional Ecology | 4 | 54 | 40+10=50 | Core (Theory) |
| WLS-1024 | Population Ecology & Population Interaction | 4 | 54 | 40+10=50 | Core (Theory) |
| WLS-1034 | Wildlife Biology: Ornithology, Mammalogy, Herpetology & Entomology | 4 | 54 | 40+10=50 | Core (Theory) |
| WLS-1044 | Behavioural Ecology & Wildlife Nutrition | 4 | 54 | 40+10=50 | Core (Theory) |
| WLS-1052 | Lab. Practical | 2 | 54 | 20+5=25 | Lab. Practical |
| WLS-1062 | Field Practical | 2 | 54 | 20+5=25 | Field Practical |
| WLS-1072 | Field Practical | 2 | 54 | 20+5=25 | Field Practical |
| WLS-1082 | Field Tour | 2 | 54 | 20+5=25 | Field Tour and Report |
| Total | | 24 | 432 | 300 | 8 Nos. |
| SEMESTER-2 | | | | | |
| Course Code | Name of the Course | Credits | Contact Hours | Total Marks | Type of Course |
| WLS-2014 | Wildlife Conservation | 4 | 54 | 40+10=50 | Core (Theory) |
| WLS-2024 | Habitat Ecology & Landscape Ecology | 4 | 54 | 40+10=50 | Core (Theory) |
| WLS-2034 | Biogeography & Wildlife Distribution | 4 | 54 | 40+10=50 | Core (Theory) |
| WLS-2044 | Biodiversity & Conservation | 4 | 54 | 40+10=50 | Core (Theory) |
| WLS-2052 | Lab. Practical | 2 | 54 | 20+5=25 | Practical |
| WLS-2062 | Field Practical | 2 | 54 | 20+5=25 | Field Practical |
| WLS-2072 | Field Practical | 2 | 54 | 20+5=25 | Field Practical |
| WLS-2082 | Field Project | 2 | 54 | 20+5=25 | Field Project |
| Total | | 24 | 432 | 300 | 8 Nos. |

SEMESTER-3

(Any one Elective Paper out of 3 shall be choice by the student in third semester and it is compulsory)

| Course Code | Name of the Course | Credits | Contact Hours | Total Marks | Type of Course |
|-------------|--|---------|---------------|-------------|---------------------------------|
| WLS-3014 | Wildlife Health and Impact Analysis | 4 | 54 | 40+10=50 | Core (Theory) |
| WLS-3024 | Wildlife Management | 4 | 54 | 40+10=50 | Core (Theory) |
| WLS-3034 | Experimental design, advanced statistics and Data analysis | 4 | 54 | 40+10=50 | Core (Theory) |
| WLS-3044 | Ornithology | 4 | 54 | 40+10=50 | Elective-1(Theory) |
| WLS-3054 | Mammalogy | 4 | 54 | 40+10=50 | Elective-2(Theory) |
| WLS-3064 | Entomology | 4 | 54 | 40+10=50 | Elective-3(Theory) |
| WLS-3072 | Research Design & Development of Project Proposal | 2 | 54 | 20+5=25 | Core (Project proposal develop) |
| WLS-3082 | Laboratory Practical | 2 | 54 | 20+5=25 | Laboratory Practical |
| WLS-3092 | Field Practical | 2 | 54 | 20+5=25 | Field Practical |
| WLS-3102 | Field Practical | 2 | 54 | 20+5=25 | Field Practical |
| Total | | 24 | 432 | 300 | 8 Nos. |

SEMESTER-4

| Code | Course | Credit | Contact Hour | Marks | Type of course |
|-----------|---|--------|--------------|-------|-------------------------------------|
| WLS-40124 | Preparation of Dissertation, Presentation and Viva Voce | 24 | 324 | 300 | Dissertation, Presentation and Viva |
| | | 24 | 324 | 300 | |

BIOTECHNOLOGY

The Department

The Department of Biotechnology was established with the mission to develop trained human resources in the field of Biotechnology and to create awareness among the society to harness the benefits of modern biotechnological innovations. Since its inception in 1993, the department has been producing quality manpower in the relevant area and conducting research in different frontier areas of Biotechnology.

Besides teaching and R & D work, the faculty members are also engaged in extension activities for developing entrepreneurship in some of the potential areas of Biotechnology in North East India. The Department has been successful in securing major funding for its infrastructure development from DBT, DST (FIST programme), UGC, OIL and Govt. of Assam.

Profile

Year of Establishment : 1993

Head of

the Department : Prof. R. Bharali

Courses offered : M.Sc. in Biotechnology
Ph.D. in relevant areas of Biotechnology

Intake : M.Sc.-18+2

Contact : The Head

Department of Biotechnology

Telephone : 0361-2700231

E-mail : rupjyotibharali@gmail.com

Website : www.gauhati.ac.in/
biotechnology.

Eligibility

Eligibility for M.Sc. Biotechnology

Students having a B.Sc. degree from a recognized institution with a minimum of 55% marks (50% marks in case of SC/ ST students) in any of the Major subjects mentioned below are eligible to apply:

- Graduates (B.Sc./B.Tech.) in Microbiology, Biochemistry and Biotechnology are eligible to apply.
- Botany, Zoology and Chemistry, with Chemistry as one of the Elective subjects in case of students with a Major in Botany/Zoology, and Botany or Zoology as one of the Elective subjects for students with Major in Chemistry.

Students for admission into the course are selected through a Common Entrance Test to be conducted by the University.

SYLLABUS STRUCTURE UNDER CBCS

| Paper code | Paper Name | Credit | Contact hour | Total Marks | Type |
|-----------------------|---|-----------|--------------|-------------|---------------|
| FIRST SEMESTER | | | | | |
| BIT-1016 | Biochemistry I | 6 | 90 | 80+20=100 | Core (Theory) |
| BIT-1026 | Microbiology | 6 | 90 | 80+20=100 | Core (Theory) |
| BIT-1036 | Cell and Molecular Biology | 6 | 90 | 80+20=100 | Core (Theory) |
| BIT-1046 | Biochemistry | 4 | 54 | 80 | Practical |
| BIT-1056 | Microbiology & Cell and molecular biology | 4 | 54 | 80 | Practical |
| Total Credit : | | 26 | | | |

| | | | | | |
|------------------------|--|-----------|----|-----------|-------------------|
| SECOND SEMESTER | | | | | |
| BIT-2016 | Genetic Engineering | 6 | 90 | 80+20=100 | Core (Theory) |
| BIT-2026 | Immunology | 6 | 90 | 80+20=100 | Core (Theory) |
| BIT-2036 | Biochemistry- II | 6 | 90 | 80+20=100 | Core (Theory) |
| BIT-2046 | Genetic Engineering & Biochemistry-II | 4 | 54 | 80 | Practical |
| BIT-2056 | Immunology | 4 | 54 | 80 | Practical |
| Total Credit : | | 26 | | | |
| THIRD SEMESTER | | | | | |
| BIT-3016 | Plant and Animal Biotechnology | 6 | 90 | 80+20=100 | Core (Theory) |
| BIT-3026 | Bioinformatics | 6 | 90 | 80+20=100 | Core (Theory) |
| BIT-3036 | (i) Environmental Biotechnology-I (ii) Food Biotechnology & Bioprocessing-I | 6 | 90 | 80+20=100 | Elective (Theory) |
| BIT-3046 | Plant and Animal Biotechnology & Bioinformatics | 4 | 54 | 80 | Practical |
| BIT-3056 | (A) Basic Biotechnology (B) Basic Bioinformatics | 3 | 42 | 80+20=100 | Open (Theory) |
| Total Credit : | | 28 | | | |
| FOURTH SEMESTER | | | | | |
| BIT-4016 | (i) Environmental Biotechnology-II (ii) Food Biotechnology & Bioprocessing-II | 6 | 90 | 80+20=100 | Elective (Theory) |
| BIT-4026 | Proteomics and Genomics | 6 | 90 | 80+20=100 | Core (Theory) |
| BIT-4036 | Dissertation | 6 | 90 | 80+20=100 | Core |
| BIT-4046 | (i) Environmental Biotechnology / (ii) Food Biotechnology & Bioprocessing | 4 | 54 | 80 | Practical |
| BIT-4056 | (A) Industrial Biotechnology (B) Medical Biotechnology | 3 | 42 | 80+20=100 | Open (Theory) |
| Total Credit: | | 28 | | | |

Theory examination will constitute 80 marks for End Semester examination and 20 marks as Internal Assessment mark to be assessed from 2 internal tests, one seminar and assignment. Total marks (theory) 100. Special paper practical examination will constitute 90 marks for End Semester practical examination and 10 marks for internal practical examination. Total marks for special paper practical is 100.

Faculty : Teaching and Research Interests

Professor

Arun Kr. Handique, M.Sc. (GU), Ph.D. (GU)
Plant Molecular Biology & Genetic Engineering

Mohan Chandra Kalita, M.Sc. (GU), Ph.D. (GU)
Plant Biochemistry and Biotechnology, Environmental Biotechnology

Pratap Jyoti Handique, M.Sc. (GU), Ph.D. (GU), PDF (LEICS),
Plant Molecular Biology & Genetic Engineering, Plant Biotechnology & Genomics.

Rupjyoti Bharali, M.Sc. (JNU), Ph.D. (GU), (**Head of the Department**)
Biochemistry, Animal Biotechnology

Assistant Professor

Sujoy Bose, M.Sc. (GU), Ph.D. (JMI)
Cell & Molecular Biology & Genetic Engineering

Hridip Kr. Sarma, M.Sc. (Tezpur), Ph.D. (RGU)
Biochemistry & Environmental Biotechnology

Shyam Sundar Swargiary, M.Sc. (G.U), Ph.D. (G.U), PGDBI (Jamia Hamdard)
Immunology

Pranjan Barman, M.Sc. (Tezpur), Ph.D. (GU)
Plant Genomics and Computational Biology

Debasish Borbora, M.Sc. (Bangalore)
Microbiology

Md. Imtiaz Khan, M.Sc. (Bharathiar), Ph.D. (CSIR-CFTRI)
Plant Pigments Chemistry Biochemistry and Molecular Biology.

Employability

An application-based interdisciplinary subject, Biotechnology provides good scope for employment to students with a choice to choose between scientific research and corporate/ industrial assignments.

The Department conducts campus recruitment drives, and reputed companies have been recruiting students directly through tests and interviews. Many alumni of the Department are working in various research projects sponsored through public-private partnerships in established laboratories,

public and private organizations, as well as corporate establishments within the country and abroad.

Placement Profile

Since the inception of the Department, students passing out have established themselves in the field of research and teaching in various national institutes such as-RMRC, NEIST, MAMC, CDFD, NCL, IITG, IITK, and international institutes.

Many students have established themselves in the industrial sector, in pharmaceutical companies including CHEMBIOTEK, ZYDUS, CADILA, Dr. REDDY'S LABS, Public organizations such as the ONGC, OIL and in various Food Processing industries.

Industrial linkages have been established in the sector of Plant Biotechnology, Floriculture, Biofertilizers and Food and Environmental Biotechnology, which are opening up new opportunities for the placement of students.

Societies

* **Biotech Forum** : A student's forum for the purpose of facilitating interaction among the alumni of the Department and to disseminate knowledge on research activities of the students at different platforms.

Students Achievement

The success rate of students during the last five years in various eligibility tests like UGC-JRF, DBT-JRF, GATE and SET is 45-60%

Facilities

Besides class rooms and general laboratories, the Department is equipped with Biochemistry Laboratory, Plant Tissue Culture Laboratory, Animal Cell Culture Lab, Animal House, Food Biotechnology Lab, Environmental Biotechnology Lab, Molecular Biology Lab, Central Instrumentation Facility, Green House, sectional Library and an auditorium.

A Biotech HUB with the financial assistance from the DBT has been setup. A fully equipped internet cum Computational facility has been established from DST Govt. of India, under the FIST programme. The Department has a Departmental library facility to support the students and research scholars. Students are required to work on a dissertation project of one year duration under the supervision of a faculty member, as a part of the curriculum. This immensely helps the students in work-planning, hands on expertise and overall development in the arena of scientific research.

How to Find

The Department of Biotechnology is housed in the right wing of a three-storeyed building situated to the west of the K.K. Handiqui library.

COMPUTER SCIENCE

The Department

Established in 1985, the Department of Computer Science began by introducing a one-year Post Graduate Diploma in Computer Science and Application in 1986. In 2001, a two-year (four-semester) M.Sc. programme in Computer Science was introduced after obtaining approval from the UGC, replacing the P.G.D.C.S.A. programme. The Department started a second M.Sc. programme in Information Technology in 2004.

Current research activities in the Department includes Algorithms, Data Mining, Computer Networks, Network Security, Wireless Networks, Speech Processing and Image Processing.

Profile

Year of Establishment : 1985

Head of

the Department : Prof. Anjana Kakoti Mahanta

Programmes : 2-year M.Sc. in Computer Science.
2-year M.Sc. in Information Technology
Ph.D.

Intake : M.Sc. in Computer Science
20 (Maximum)
M.Sc. in Information Technology
10 (minimum)
Total : 30

Contact : The Head
Department of Computer Science
Telephone : 0361-2571138 (O)

E-mail : anjanagu@yahoo.co.in

Website : <http://gauhati.ac.in/cs.php>

Eligibility

M.Sc. (CS/IT) Programme

Candidates satisfying any one of the following qualifications or equivalent qualifications:

- B.Sc. with Computer Science as the Major subject
- B.Sc. with Computer Science as a general subject
- B.C.A/B.Sc. (IT)
- B.E./BTech. (CSE/IT)
- P.G.D.C.S.A. or equivalent with B.Sc.

Candidates must have Mathematics as a subject/paper at both the TDC and 10+2 levels, obtaining the minimum pass mark.

The minimum percentage of marks required at the TDC level is 45% in aggregate (in the Major course only for candidates having-Major in Computer Science). For candidates having PG.D.C.S.A., the minimum requirement is 45% in aggregate at the degree examination and in P.G.D.C.S.A. individually.

There will be a common admission test for all eligible candidates. The test will consist of a single paper of 100 marks and all the questions will be of the multiple-choice type. The course content for this paper will be the TDC general course in Computer Science of Gauhati University, and will also include questions on General Awareness in the field of Computer Science.

The final selection of candidates will be made on the basis of the admission test.

Faculty : Teaching and Research Interests

Professors

Anjana Kakoti Mahanta, M.Sc. (GAU), PH.D (GAU), (*Head of the Department*)

Research interests: Algorithms and Data Structure, Data Mining and Warehousing

Assistant Professor

Abhijit Sarma, B.E. (DIB), M.C.A. (DIB), Ph.D. (IITG)

Research interests : Computer Networks, Network Security, Wireless Networks, Image Processing

Sanjib Kr. Kalita, M.C.A. (GAU), PH.D. (GAU)

Research Interest: Speech Processing, Image Processing.

Dwipen Laskar, M.Sc. (GAU), M.Tech. (Tezpur)

Research Interest: Data Mining, Image Processing.

Guest Faculty

Surojit Medhi, M.Sc.

Irani Hazarika, M.Sc.

Farha Naznin, M.Sc.

Dolly Sarma, M.Sc.

Puspakshi Sarma, M.Tech.

Naba Jyoti Sarma, M.Sc

Pranamika Kakoti, M.C.A., Ph.D

Dhruba Jyoti Bora, M.C.A.

Lab Facilities

(i) Computing Laboratory

The Department has two Computing Laboratories with seventy desktop computers and three high-performance multi purpose servers connected via a high performance computer network and related accessories. Other facilities include a LAN Trainer Kit, Dot Matrix Printers, High Speed Scanners for the students, and Laser Printers / Inkjet Printers for official use.

A good collection of open-source software and documentation are available for use. Dedicated leased line Internet Connectivity is used for accessing Web documents, journals, study materials etc.

(ii) Hardware / Embedded system Laboratory

One Hardware/embedded system laboratory is providing state of the art facilities in these fields. The major equipments available in this laboratory are PCB prototyping machine, Digital Video Microscope, MCB x 51 Evaluation Board, Rapid Development kits, Manual stencil Printer, SMT HOT Rework Station and 8085 Microcontroller kits.

Ongoing Research Project

One major research project "Development of Network Traffic Classification based approach for Botnet detection" with Abhijit Sarma as the Principal Investigator, sponsored by Department of Electronics and IT.

Placement Profile

Some of the organizations where our students have got placements include the following: Xcome Technology, Taipei, Taiwan; Start Technologies, Taiwan; Versine Technologies, Kolkata; CDAC, Bangalore; Maharashtra Knowledge Corporation Ltd; Web Tech India, Bangalore; AMTRON, Guwahati; Wipro Systems; NIIT Bangalore; Maverik Systems, Chennai, ICICI Bank, FCI, CID (Assam), etc. Besides, past students of this Department are now engaged in teaching positions in various educational institutions within and outside the state of Assam.

How to Find Us

The Department of Computer Science is situated in a three storeyed building on the western side of the (Academic Staff College) UGC-HRDC.

SYLLABUS STRUCTURE UNDER CBCS (M.Sc. in COMPUTER SCIENCE)

| FIRST SEMESTER | | | | | | | | | |
|-----------------|---|-------------------|------|------|-------|-----|------|--------|--|
| COURSE CODE | COURSE NAME | COURSE TYPE | Lect | Tut. | Prac. | Crs | Hour | Nature | |
| CSC 1016 | Advanced Concepts in OOP | Core | 4 | 1 | 1 | 6 | 7 | Graded | |
| CSC 1026 | Advanced Computer Organization and Architecture | Core | 4 | 2 | 0 | 6 | 6 | Graded | |
| CSC 1036 | Operating System | Core | 4 | 1 | 1 | 6 | 7 | Graded | |
| CSC 1046 | Mathematical Foundations of Computer Science | Core | 4 | 2 | 0 | 6 | 6 | Graded | |
| CSC 1056 | Advanced DBMS | Core | 4 | 1 | 1 | 6 | 7 | Graded | |
| Semester Total | | | 20 | 7 | 3 | 30 | 33 | | |
| SECOND SEMESTER | | | | | | | | | |
| COURSE CODE | COURSE NAME | COURSE TYPE | Lect | Tut. | Prac. | Crs | Hour | Nature | |
| CSC 2016 | Data Communication and Computer Networks | Core | 4 | 1 | 1 | 6 | 7 | Graded | |
| CSC 2026 | Algorithms and Complexity Theory | Core | 4 | 2 | 0 | 6 | 6 | Graded | |
| CSC 2036 | Software Engineering | Core | 4 | 1 | 1 | 6 | 7 | Graded | |
| CSC 2046 | Computer Graphics and Multimedia | Core | 4 | 1 | 1 | 6 | 7 | Graded | |
| CSC 2056 | Advanced Data Structure | Core | 4 | 0 | 2 | 6 | 8 | Graded | |
| Semester Total | | | 20 | 5 | 5 | 30 | 35 | | |
| THIRD SEMESTER | | | | | | | | | |
| COURSE CODE | COURSE NAME | COURSE TYPE | Lect | Tut. | Prac. | Crs | Hour | Nature | |
| CSC 3016 | Theory of Computations | Core | 4 | 2 | 0 | 6 | 6 | Graded | |
| CSC 3026 | Distributed System | Core | 4 | 1 | 1 | 6 | 7 | Graded | |
| CSC 3036 | Compiler Design | Core | 4 | 1 | 1 | 6 | 7 | Graded | |
| CSC 3046 | Seminar | Core | 0 | 0 | 0 | 3 | 6 | Graded | |
| CSC 3056 | | Elective/ Open | 4 | 1 | 1 | 6 | 7 | Graded | |
| Semester Total | | | 16 | 5 | 2 | 27 | 33 | | |
| FOURTH SEMESTER | | | | | | | | | |
| COURSE CODE | COURSE NAME | COURSE TYPE | Lect | Tut. | Prac. | Crs | Hour | Nature | |
| CSC 4016 | Programming languages | Core | 4 | 1 | 1 | 6 | 7 | Graded | |
| CSC 4026 | Project Work | Core | 0 | 0 | 4 | 6 | 6 | Graded | |
| CSC 4036 | | Elective III/Open | 4 | 1 | 1 | 6 | 7 | Graded | |
| CSC 4046 | | Elective II | 4 | 1 | 1 | 6 | 7 | Graded | |
| Semester Total | | | 16 | 5 | 3 | 27 | 29 | | |

List of Electives

Elective Subjects for 3rd semester M.Sc. (Computer Science)

[All the following courses carry a total of 6 credits]

1. COM3056 Image Processing (open)
2. COM3066 Cryptography and Information Security
3. COM3076 Data Mining and Warehousing (open)

4. COM3086 Pattern Recognition
5. COM3096 Web Programming Technologies
6. COM3106 Natural Language Processing

5. COM4076 System Administration and Networking
6. COM4086 System Security
7. COM4096 Wireless Communication and Networks
8. COM4106 Queuing theory and Operations Research

Elective Subjects for 4th semester M.Sc. (Computer Science)

[All the following courses carry a total of 6 credits]

1. COM4036 Embedded System
2. COM4046 Artificial Intelligence (open)
3. COM4056 Speech Processing (open)
4. COM4066 Applied Graph Theory and Algorithms

NB : For open elective papers a maximum of 8 seats will be provided for students outside the department. Knowledge of C/C++ programming, Discrete Mathematics will be required for getting enrolled into these courses.

SYLLABUS STRUCTURE UNDER CBCS (M.Sc in INFORMATION TECHNOLOGY)

| FIRST SEMESTER | | | | | | | | |
|-----------------|---|------------------|------|------|-------|-----|------|--------|
| COURSE CODE | COURSE NAME | COURSE TYPE | Lect | Tut. | Prac. | Cre | Hour | Nature |
| INF101E | Advanced Concepts In OOP | Core | 4 | 1 | 1 | 6 | 7 | Graded |
| INF102E | Advanced Computer Organization and Architecture | Core | 4 | 2 | 2 | 6 | 6 | Graded |
| INF103E | Operating System | Core | 4 | 1 | 1 | 6 | 7 | Graded |
| INF104E | Mathematical Foundations of Computer Science | Core | 4 | 2 | 2 | 6 | 6 | Graded |
| INF105E | Advanced DBMS | Core | 4 | 1 | 1 | 6 | 7 | Graded |
| Semester Total | | | 20 | 7 | 2 | 30 | 23 | |
| SECOND SEMESTER | | | | | | | | |
| COURSE CODE | COURSE NAME | COURSE TYPE | Lect | Tut. | Prac. | Cre | Hour | Nature |
| INF201E | Data Communication and Computer Networks | Core | 4 | 1 | 1 | 6 | 7 | Graded |
| INF202E | Algorithms and Complexity Theory | Core | 4 | 2 | 2 | 6 | 6 | Graded |
| INF203E | Software Engineering | Core | 4 | 1 | 1 | 6 | 7 | Graded |
| INF204E | Computer Graphics and Multimedia | Core | 4 | 1 | 1 | 6 | 7 | Graded |
| INF205E | Advanced Data Structure | Core | 4 | 2 | 2 | 6 | 8 | Graded |
| Semester Total | | | 20 | 5 | 5 | 30 | 35 | |
| THIRD SEMESTER | | | | | | | | |
| COURSE CODE | COURSE NAME | COURSE TYPE | Lect | Tut. | Prac. | Cre | Hour | Nature |
| INF301E | Web Programming Technologies | Core | 4 | 2 | 2 | 6 | 6 | Graded |
| INF302E | Distributed System | Core | 4 | 1 | 1 | 6 | 7 | Graded |
| INF303E | Compiler Design | Core | 4 | 1 | 1 | 6 | 7 | Graded |
| INF304E | Seminar | Core | 0 | 0 | 2 | 3 | 6 | Graded |
| INF3xxE | | Elective/ Open | 4 | 1 | 1 | 6 | 7 | Graded |
| Semester Total | | | 16 | 5 | 2 | 27 | 33 | |
| FOURTH SEMESTER | | | | | | | | |
| COURSE CODE | COURSE NAME | COURSE TYPE | Lect | Tut. | Prac. | Cre | Hour | Nature |
| INF401E | Programming Languages | Core | 4 | 1 | 1 | 6 | 7 | Graded |
| INF402E | Project Work | Core | 0 | 0 | 4 | 6 | 6 | Graded |
| INF4xxE | | Elective II/Open | 4 | 1 | 1 | 6 | 7 | Graded |
| INF4xxE | | Elective III | 4 | 1 | 1 | 6 | 7 | Graded |
| Semester Total | | | 16 | 5 | 3 | 27 | 29 | |

List of Electives

Elective Subjects for 3rd semester M.Sc. (Information Technology)

[All the following courses carry a total of 6 credits]

1. INF3056 Image Processing (open)
2. INF3066 Cryptography and Information Security
3. INF3076 Data Mining and Warehousing (open)
4. INF3086 Pattern Recognition
5. INF3096 Natural Language Processing

Elective Subjects for 4th semester M.Sc. (Information Technology)

[All the following courses carry a total of 6 credits]

1. INF4036 Embedded System
2. INF4046 Artificial Intelligence (open)
3. INF4056 Speech Processing (open)
4. INF4066 Agent Technologies
5. INF4076 System Administration and Networking
6. INF4086 System Security
7. INF4096 Wireless Communication and Networks

NB : For open elective papers a maximum of 8 seats will be provided for students outside the department. Knowledge of C/C++ programming, Discrete Mathematics will be required for getting enrolled into these courses.

ELECTRONICS & COMMUNICATION TECHNOLOGY

The Department

Since its inception, the department has been trying to provide the students of the North Eastern Region with necessary help and guidance for enhancement of their knowledge in Electronics and related areas.

Profile

Year of Establishment : 1993

Head of

the Department : Prof. Tulsi Bezboruah

Programmes offered : (I) M.Sc. in Electronics & Communication Technology
(II) M.Sc. in Microelectronics and Advanced Communication
M.Phil. in Electronic
Ph.D.

Intake : M.Sc. : (i) 20 (ii) 10
M. Phil. : 6

Contact : The Head, Department of Electronics and Communication Technology
Tel : 0361-2671262 (O)

E-mail : zbt_gu@yahoo.co.in

Website : <http://gauhati.ac.in/ect.php>

Eligibility

(i) M.Sc. in Electronics and Communication Technology/Microelectronics & Advanced Communication

A minimum of 50% in the case of general category candidates and 45% for reserved category candidates in B.Sc. (Major).

Preference will be given as follows :

* B.Sc. with Electronics Major

* B.Sc. with Physics Major

* B.Sc. with Major in Mathematics/Statistics/Chemistry with Physics and / or Electronics as one of the pass course subjects.

(ii) M.Phil. in Electronics

M.Sc. in Electronics, Physics, Instrumentation

(iii) Ph.D. in Electronics & Communication Technology.

SYLLABUS STRUCTURE UNDER CBCS

| NAME OF THE PG COURSES | COURSE CODE | Total Marks & Credits |
|--|-------------|-----------------------|
| MSc in Electronics & Communication Technology | ECT | 2300 (L-T-P=96) |
| MSc in Microelectronics and Advanced Communication | MEAC | 2300 (L-T-P=96) |

| FIRST SEMESTER : MSc (ECT) & MSc (MEAC) COURSES | | | | |
|--|--|-------|---------------------|--|
| PAPER CODE | NAME OF THE PAPER | MARKS | CREDITS (L-T-P) | TOTAL MARKS |
| ECT1014/ MEAC1014 | A) Electronic Materials | 50 | L = 03 | 600 Marks (Minimum 240 Hours) (24 Credits) |
| | B) Mathematical Methods | 50 | T=01 | |
| ECT1024/ MEAC1024 | Network Analysis | | L = 03 | |
| | | | T=01 | |
| ECT1034/ MEAC1034 | A) Applied Quantum mechanics | 50 | L = 03 | |
| | B) Semiconductor Devices | 50 | T=01 | |
| ECT1044/ MEAC1044 | A) Digital Electronics | 50 | L = 03 | |
| | B) Microprocessor-I | 50 | T=01 | |
| ECT1054/ MEAC1054 | A) Programming in C++ | 50 | L = 03 | |
| | B) Operating Systems | 50 | P = 01 | |
| ECT1064/ MEAC1064 | Laboratory-I | | P = 03 | |
| | A) Analog and Digital Design | 50 | T=01 | |
| | B) Microprocessor-I | 50 | | |
| SECOND SEMESTER : MSc (ECT) & MSc (MEAC) COURSES | | | | |
| ECT2014/ MEAC2014 | A) Semiconductor Device Fabrication Technology | 30 | L = 03 | 600 Marks (Minimum 240 Hours) (24 Credits) |
| | B) Linear Electronic Circuit | 70 | T=01 | |
| ECT2024/ MEAC2024 | A) Electromagnetics | 50 | L = 03 | |
| | B) Microwave -I | 50 | T=01 | |
| ECT2034/ MEAC2034 | A) Power Electronics | 50 | L = 03 | |
| | B) Control System | 50 | T=01 | |
| ECT2044/ MEAC2044 | Communication System | | L = 03 | |
| | | | T = 01 | |
| ECT2054/ MEAC2054 | A) Opto-Electronics | 50 | L = 03, | |
| | B) Instrumentation | 50 | T=01 | |
| ECT2064/ MEAC2064 | Laboratory-II | | | |
| | A) Microwave, Control System & Power Electronics | 50 | P = 03, | |
| | B) Communication System | 50 | T=01 | |
| THIRD SEMESTER : MSc (ECT) | | | | |
| ECT3014 | A) Mechatronics | 50 | L=03 | 600 Marks (Minimum 240 Hours) (24 Credits) |
| | B) Electronic System Design | 50 | P=01 | |
| ECT3024 | A) Signals & Systems | 50 | L = 03 | |
| | B) Digital Communication | 50 | P=01 | |
| ECT3034 | A) Microprocessor-II | 30 | L = 03 | |
| | B) Micro-controller | 70 | P = 01 | |
| ECT3046 | Elective Papers | | | |
| | A) Antenna Modeling & Design | | L = 04 | |
| | B) Microwave-II | 100 | P= 02 | |
| | C) Introduction to Nanoscience & Nanotechnology | 100 | | |
| ECT3054 | Dissertation / Project Phase-I | 100 | L=01,T=01 P = 02 | |
| ECT3064 | Laboratory-III | | | |
| | Advanced Circuit Design | 100 | P = 03 T=01 | |

| FOURTH SEMESTER : MSc (ECT) | | | | |
|-----------------------------|------------------------------------|-----|------------------|--|
| ECT4014 | Electrical Machines | 100 | L = 03 T=01 | 500 Marks (Minimum 200 Hours) (22 Credits) |
| ECT4024 | Communication Networks | 100 | L = 03 T=01 | |
| ECT4034 | Photonics | 100 | L = 03 T=01 | |
| ECT4044 | Elective Papers | | L = 04 P = 02 | |
| | A) Web Technology | 100 | | |
| | B) Digital Signal Processing | 100 | | |
| | C) Introduction to Nanoelectronics | 100 | | |
| ECT4054 | Dissertation / Project Phase-II | 100 | T = 02 P = 04 | |

| THIRD SEMESTER: MSc (MEAC) COURSES | | | | |
|------------------------------------|--|-----|------------------|--|
| MEAC3014 | CMOS Circuit Design | 100 | L = 03 T=01 | 600 Marks (Minimum 240 Hours) (24 Credits) |
| MEAC3024 | A) Signals & Systems | 50 | L = 03 | |
| | B) Digital Communication | 50 | P=01 | |
| MEAC3034 | A) Microprocessor-II | 30 | L = 03 | |
| | B) Micro-controller | 70 | P = 01 | |
| MEAC3044 | Introduction to Nanoscience & Nanotechnology | 100 | L = 03 T = 01 | |
| MEAC3054 | Dissertation/ Project Phase-I | 100 | P = 03 T = 01 | |
| MEAC3064 | Laboratory-III | 100 | P = 03 | |
| | Advanced Design Laboratory | | T = 01 | |

| FOURTH SEMESTER: MSc (MEAC) COURSES | | | | |
|-------------------------------------|---------------------------------|-----|----------------------------|--|
| MEAC4014 | Digital system design with VHDL | 50 | L = 03 P = 01 | 500 Marks (Minimum 200 Hours) (24 Credits) |
| MEAC4024 | Communication Networks | 50 | L = 03 T = 01 | |
| MEAC4034 | Introduction to Nanoelectronics | 100 | L = 03 T = 01 | |
| MEAC4044 | Elective Papers | | L = 03 P = 01 | |
| | A) Web Programming | 100 | | |
| | B) Satellite Communications | 100 | | |
| | C) Mobile Communications | 100 | | |
| | D) Fiber Optic Communications | 100 | | |
| MEAC4054 | Dissertation / Project Phase-II | 100 | L = 02 T = 02 P = 04 | |

The open / elective course ECT-304 (Introduction to Nanoscience & Technology) is under CBCS with Department of Instrumentation and USIC, Gauhati University.

Specializations Offered in M.Sc.

Third Semester

- Web Technology
- Microwave-II

Fourth Semester

- Introduction to Nanotechnology
- Microcontroller

Faculty : Teaching and Research Interests

Professors

Pranayee Datta, M.Sc. (GAU), Ph.D. (GAU)

Courses Taught : Quantum Mechanics, Electronic Devices and Circuits, Electromagnetics and Radio Wave Propagation, Nano Science

Research Interests : High Energy Cosmic Rays, Nano Science and Technology

Tulshi Bezboruah, M.Sc. (GAU), Ph.D. (GAU), (**Head of the Department**)

Courses Taught : Network Analysis and Synthesis, Analog and Digital Computing, Electronics Communication Systems, Microwave Electronics, Microwave Communication.

Research Interests : Microwave Engineering, Signal Processing, web-based instrumentations, Web Service.

Associate Professor

Kandarpa Kumar Sarma, M.Sc. (GAU), M.Tech (IITG), Ph.D. (IITG)

Courses Taught : Digital Logic Design, Computer Programming in C and using Matlab, Microprocessor Digital Communication, Digital Signal Processing, Digital Image Processing, Control System.

Research Interests : Artificial Neural Network, Pattern Recognition, Document Image Analysis, Digital Image Processing and Computer Vision, Digital Signal Processing.

Assistant Professors

Hidam Kumarjit Singh, M.Sc. (GAU)

Research Interests : VLSI Technology, Microprocessors, webbased Instrumentation and Control

Kumaresh Sarma, M.Sc. (GU), M.Tech (TU)

Research Interest : Embeded System Design.

Ram Kishore Roy

Hirendra Das (Contractual)

Sivaranjan Goswami (Contractual)

Guest Faculty

Aroop Bardalai, AEC, GUWAHATI, Ph.D.

Bimal Deka, AEC, GUWAHATI, Ph.D.

Abhijit Bora, MCA

Munmee Borah, M.Sc.

Tapashi Thakuria, M.Sc., M.Tech.

Jutika Devi, M.Sc.

Pranjal Bora, Ph.D.

Kabindra Bhagawati, M.Tech., Ph.D.

Jogananda Goswami, M.Sc.

Employability

Over the years, it has been around 100%

Placement Profile

Students passing out of the Department have got absorbed in organizations such as ISRO, Indian Air Force, NIT Silchar, BSNL, ECIL, APRO, RRL Motorola, Hutch, Ericsson, Nokia, Sony-Ericsson, Schlumberger, Infosys, WiproBPO, TCS etc. Some have taken up teaching in Universities, Engineering Colleges & Institutions.

Club and Societies

The **Electronics Forum** is the platform for the students of the Department for furthering the cause of Electronics and related areas.

NET/JRF/GATE

NET - 31, GATE - 4

Facilities

The Department has certain laboratories and related facilities to support its existing courses, available for the students and research scholars.

Circuit Laboratory

This is primarily meant for performing experiments which are basic to the requirements of the course. The primary instruments are CRO (Cathode Ray Oscilloscope-Dual trace in MHz ranges). Function Generators, Multimeters, IC Testers and other associated components. This lab is used by students of the various semesters as per slots provided in the daily timetable. However, to complete the project works within the stipulated time, fourth semester students are provided extra time and space as necessary. This facility is being renovated.

Computational Laboratory

The lab contains i3 and i5 based PCs using Windows XP, to provide facilities to students to work with Matlab, Labview, PC Trace etc. Computational sessions for C/C++, Matlab and ps-pice programming are arranged for students of each semester as required by the syllabus. This AC lab can accommodate over twenty users at a time. The computational lab has a 512 Kbps internet connection which has also been extended to every part of the

Department through a high speed LAN.

Opto-Electronics Laboratory

The lab is meant for project work as well as research work. This sophisticated lab has facilities which are currently housing a study on temperature and displacement sensors using optical fibres under group of faculty member of the Department.

Instrumentation and Control Laboratory

This is a research oriented lab. Some web-based experiments are currently going on in this lab.

Microwave Laboratory

The Department also has a microwave lab with all the necessary instruments to perform experiments sufficient to meet the requirements of the course on microwave and associated special papers.

Microprocessor Laboratory

The Department has sufficient number of microprocessor training kits and associated serial cards to perform experiments as per the syllabus and requirements of projects works. The Department also uses its computational resources to conduct computer-based microprocessor for practical sessions using simulators.

DSP Laboratory

The Department uses its computational lab to perform experiments as per the requirements of the special papers on Digital Signal Processing.

Nano Science and Technology Laboratory

This is a research lab which is being updated with the addition of new equipments.

Library

The Department has a well-stocked and periodically updated library which caters to the needs of the students. There is sufficient space for the students to spend their time reading in the Department. The library also includes a Book Bank from where books are issued to each student of the Department for the entire semester.

How to reach us

The Department of Electronics Science and Communication Technology is situated in a two-storeyed building on the western side of the Academic Staff college.

INSTRUMENTATION & USIC

The Department

The Department of Instrumentation & USIC originally started as the University Science Instrumentation Centre (USIC) of Gauhati University in 1978 under the USIC scheme of the UGC, in the Department of Physics, GU and became a full-fledged academic department in 1986. The department was renamed as Department of Instrumentation & USIC, GU in 2005. The Department is under Faculty of Technology, GU.

Profile

Year of Establishment : 1986

Head of

the Department : Prof. Kanak Chandra Sarma

Course offered : 1. M.Sc. in Instrumentation & Applied Physics
2. Ph.D. (Technology)
3. Six months Post Graduate Diploma in Embedded System Design (to be started shortly as a self financing course)

Intake : M.Sc. : 20

Contact : The Head, Department of Instrumentation & USIC, GU
Phone : 99540 48634 (M)
94355 45453 (M)

E-mail : kanak_sarma50@rediffmail.com

Website : <http://gauhati.ac.in/iusic.php>

The department offers Two Year Four Semester MSc in Instrumentation & Applied Physics (wef 2015-2016). The course M.Sc. instrumentation has been renamed as **M.Sc. in Instrumentation & Applied Physics**. The department also offers PhD program under Faculty of Technology, GU. One Semester PhD Course work is regularly conducted and interdisciplinary Research Program are undertaken by the Faculty members and PhD Research Guides.

Sophisticated Analytical Instrument Facility (SAIF), a National X-ray Facility sponsored by Department of Science & Technology (DST), Govt. of India is located in the department. SAIF is equipped with sophisticated equipment systems Powder X-ray Diffractometer (XRD). X-ray Fluorescence Spectrophotometer (XRF). Single Crystal X-ray Diffractometer (SCXRD) and sample preparation facilities, SAIF is an open facility and caters the need of scientific community from academic, research and industrial organizations by offering analytical services.

USIC provides repair and maintenance services for laboratory equipment and conducts Practical Classes of Workshop Practice of MSc Instrumentation & Applied Physics, BTech- Course of IST, GU in the mechanical workshop of the department.

SYLLABUS STRUCTURE UNDER CBCS

| SEMESTER-I | | | | | | | | | |
|------------------------|--|----------|------------------------|---|---|---|----------|-------|-------------|
| Course | Course Title | Hrs/Week | Credit | | | | Marks | | Total Marks |
| | | | L | T | P | C | Internal | Final | |
| MIP1014 | Instrumentation & Measurement Techniques | 4 | 3 | 1 | — | 4 | 40 | 60 | 100 |
| MIP1024 | Applied Mathematics | 4 | 3 | 1 | — | 4 | 40 | 60 | 100 |
| MIP1034 | Automatic Control System | 4 | 3 | 1 | — | 4 | 40 | 60 | 100 |
| MIP1044 | Analog and Digital Electronics | 4 | 3 | 1 | — | 4 | 40 | 60 | 100 |
| MIP1053 | <i>Workshop and Engineering Drawing</i> | 6 | — | — | 3 | 3 | 20 | 30 | 50 |
| MIP1063 | <i>Analog and Digital Electronics</i> | 6 | — | — | 3 | 3 | 20 | 30 | 50 |
| MIP1073 | <i>Sensor and Instrumentation</i> | 6 | — | — | 3 | 3 | 20 | 30 | 50 |
| Total Credit=25 | | | Total Marks=550 | | | | | | |
| SEMESTER-II | | | | | | | | | |
| MIP2014 | Industrial Instrumentation | 4 | 3 | 1 | — | 4 | 40 | 60 | 100 |
| MIP2024 | Numerical Method and Computer Programming | 4 | 3 | 1 | — | 4 | 40 | 60 | 100 |
| MIP2034 | Microprocessor and Microcontroller | 4 | 3 | 1 | — | 4 | 40 | 60 | 100 |
| MIP2044 | Material Science | 4 | 3 | 1 | — | 4 | 40 | 60 | 100 |
| MIP2053 | <i>Computer Programming (C/C++)</i> | 6 | — | — | 3 | 3 | 20 | 30 | 50 |
| MIP2063 | <i>Microprocessor and Interfacing</i> | 6 | — | — | 3 | 3 | 20 | 30 | 50 |
| MIP2073 | <i>Industrial Instrumentation and Material Science</i> | 6 | — | — | 3 | 3 | 20 | 30 | 50 |
| Total Credit=25 | | | Total Marks=550 | | | | | | |

| SEMESTER-III | | | | | | | | | |
|---|--|----|---|---|---|---|----|----|-----|
| MIP3014 | Communication Technique | 4 | 3 | 1 | — | 4 | 40 | 60 | 100 |
| MIP3024 | Process Control and Industrial Automation | 4 | 3 | 1 | — | 4 | 40 | 60 | 100 |
| MIP3034 | Digital Signal Processing | 4 | 3 | 1 | — | 4 | 40 | 60 | 100 |
| MIP3046 | Elective-I | 6 | 4 | 2 | — | 6 | 40 | 60 | 100 |
| MIP3053 | <i>Communication Techniques</i> | 6 | — | — | 3 | 3 | 20 | 30 | 50 |
| MIP3063 | <i>Microcontroller and DSP(Minor Proj)</i> | 6 | — | — | 3 | 3 | 20 | 30 | 50 |
| MIP3073 | <i>Process Control, Industrial Automation</i> | 6 | — | — | 3 | 3 | 20 | 30 | 50 |
| Total Credit=27 Total Marks=550 | | | | | | | | | |
| MIP3046 is an elective paper. Students must choose any one of the following papers. | | | | | | | | | |
| Departmental : | | | | | | | | | |
| A. Forensic Instrumentation (MIP3044A) B. Advanced Industrial Automation (MIP3044B) | | | | | | | | | |
| Interdepartmental (Dept. of Electronics and Communication Technology): | | | | | | | | | |
| Introduction to Nanoscience & Nanotechnology (ECT304C) | | | | | | | | | |
| SEMESTER-IV | | | | | | | | | |
| MIP4014 | Analytical Instruments | 4 | 3 | 1 | — | 4 | 40 | 60 | 100 |
| MIP4024 | Gr.A: Entrepreneurship Skills | 2 | 2 | — | — | 2 | 20 | 30 | 50 |
| | Gr.B: Virtual Instrumentation and CAD for Instrumentation | 2 | 2 | — | — | 2 | 20 | 30 | 50 |
| MIP4034 | Optical Instruments and Photonics | 4 | 3 | 1 | — | 4 | 40 | 60 | 100 |
| MIP4046 | Elective-2 | 3 | 4 | 2 | — | 6 | 40 | 60 | 100 |
| MIP4053 | <i>Virtual Instrumentation and CAD for Instrumentation</i> | 4 | — | — | 2 | 3 | 20 | 30 | 50 |
| MIP4066 | <i>Project</i> | 12 | — | — | 6 | 6 | 40 | 60 | 100 |
| Total Credit=27 Total Marks=550 | | | | | | | | | |
| MIP4046 is an elective paper. Students must choose any one of the following papers. | | | | | | | | | |
| Departmental : | | | | | | | | | |
| A. Biomedical Instrumentation (MIP4046A) B. Advanced Embedded System (MIP4046B). | | | | | | | | | |

Specialisation Offered

1. Biomedical Instrumentation (CBCS)
2. Forensic Instrumentation
3. Advanced Industrial Automation
4. Advanced Embedded System

Eligibility

Students fulfilling any one of the following criterion are eligible to apply for admission into M.Sc Instrumentation & Applied Physics course.

1. BSc (10+2+3 pattern) with major in Instrumentation/ Physics / Electronics
2. BSc (10+2+3 pattern) with Physics or Instrumentation and Mathematics as Core Subjects with a minimum of 50% marks in aggregate.
3. Candidates sponsored by industry are also eligible to apply for admission subject to fulfillment of above conditions.

All candidates applying for admission have to qualify the Entrance Examination.

Industrial Training and Project Work

Every student has to undergo an Industrial Training of one

month duration in a reputed industry in the Fourth semester and has to complete a Research Oriented Project Work as a part of Curriculum. A dissertation on the Project Work and a Report on Industrial Training attended are to be submitted. Every student has to appear in a viva voce test at the end of Fourth semester to defend the Project Work and has to give seminar talk on the training attended.

Faculty : (Teaching and Research)

Professor

Kanak Chandra Sarma, M.Sc. (GU), Ph.D. (GU), (**Head of the Department**)

Thin Film and Nano Technology, Optoelectronics, Electroic System design.

Associate Professor

Utpal Sarma, M.Sc. (GU), Ph.D. (GU)

Smart sensor Instrumentation, Agri-Electronics, MEMS based Energy Harvester

Guest/ Part Time Faculty

Prof. Pradip Kumar Boruah, M.Sc. (GU), Ph.D. (GU)

Smart Transducer Instrumentation, Experimental Cosmic Ray Physics.

Dipak Das, B.E. (GU), PGDI (GU), M.Tech (IITG)

Kunjolata Kalita, M.Sc. (GU), UGC-NET

Debashish Saikia, M.Sc. (GU), UGC-NET

Nipan Das, M.Sc. (GU), M.Tech (TU), UGC-NET

Manash Pratim Goswami, M.Sc. (GU), UGC-NET

Dayananda Goswami, M.Sc. (GU)

Chandrama Kalita, M.Sc. (GU), M.Tech

UGC-NET Qualified Students

Ten students has qualified UGC-NET in between June 2009 to June 2014.

GATE Qualified Students Instrumentation Engineering:

Three students has qualified GATE in between 2008 to 2013.

Research Fellowship

Five students pursuing research have been awarded DST INSPIRE Fellowship. Deity Visvesvaraya Ph.D. Fellowship to one.

Foreign Student

One foreign student from Iran has been pursuing research in the department.

Research Collaboration

1. The department has Research collaboration with CSIR-CEERI, Pilani
2. The department has Research collaboration with Assam Agricultural University
3. Memorandum of Understanding (MoU) has been signed between Department of Science & Technology (DST) and Gauhati University for running a national facility center named Sophisticated Analytical Instrument Facility (SAIF).

Facilities

The MSc Laboratory includes Electronics Lab. (Linear and Digital), Industrial Process Instrumentation Lab, Advanced Electronics Test and Measurement Lab, Computer Programming, Microprocessor and Embedded Lab having computers with Internet through the University LAN. Advanced electronic instruments in the Department includes DSO (500MHz), Mixed Signal Oscilloscope (100 MHz), DMM, 20 MHz Function Generator, Optoelectronic measurement system, Microprocessor and microcontroller development tools for embedded system (Hardware). Software includes PSpice for circuit simulation, PCB Design software like PC-Trace and Dip trace. Microprocessor and Microcontroller simulators like Oshonosoft 8085 Simulator, Oshonosoft PIC Simulator & IDE, KEIL 8051 IDE, KEIL ARM IDE, Xilinx FPGA Development Tool etc. The Department of Science & Technology (DST), Govt. of India, has set up a Regional X-

ray Facility called Sophisticated Analytical Instrument Facility (SAIF) in the Dept. of Instrumentation & USIC, GU. SAIF is equipped with sophisticated instruments: Powder X-ray Diffractometer (XRD), Single Crystal X-ray Diffractometer (SCXRD), X-ray Fluorescence Spectrophotometer (XRF) and Sample Preparation Laboratory. Teaching Facility includes modern classroom, audio visual teaching aids with internet facilities. The department has a full-fledged workshop which consists of Mechanical workshop containing Machine shop, Welding shop, Carpentry shop and Glass Blowing workshop, Electronic workshop and PCB Fabrication shop. The Departmental library has a good collection of textbooks and reference books in the relevant areas. Regular weekly seminars are conducted on recent topics by inviting persons from the industry, science laboratories and academic institutions. Academic excursion to neighboring industries and R&D Laboratories are also conducted.

Support from Industries : ACTEL, Univ pro, Mchip, software IT, ADL, LT.

Employability

For students passing out from this department, there are good employment opportunities in sectors like Telecommunication, Petroleum and Oil, Electronic and service. Some of the reputed organizations which have recruited passed out students include : NXP Semiconductor, BARC, OIL, ONGC. Relience. Ericsson, Topson Cement Company, Analytical instrument Companies, KKH State Open University, Bodoland University, Tezpur University, Don Bosco University, Down Town University. **IR** Technology Forensic Science Laboratory, etc.

Higher Education

Passed out students are admitted to the Ph.D, and M.Tech Programme in various universities. Some other students are also engaged as project fellows in reputed institutions like IIT etc.

Society

The Instrumentation Society of the Department aims to disseminate information relating to Science and Technology in general and Instrumentation in particular. It seeks to work for the development of Instrumentation as a subject in the North East, to develop a common platform for students of Instrumentation to discuss their problems and prospects and to work for the overall development of Department of instrumentation and USIC, Gauhati University.

How to Find Us

The department of Instrumentation & USIC, GU is situated near the Department of Physics, GU and can be reached by going few yards in south direction by the road that branch out from main road towards south at the western end of the Department of Physics, GU.

GAUHATI UNIVERSITY INSTITUTE OF SCIENCE AND TECHNOLOGY



The Gauhati University Institute of Science and Technology (GUIST) was set up at the university campus in 2009 to enhance quality and innovation in Technology and Applied Science education.

Director i/c : Prof. Manab Deka

The Institute is under the faculty of Technology of Gauhati University with 4 departments. These are :

1. Department of Applied Sciences.
2. Department of Electronics and Communication Engineering.
3. Department of Information Technology.
4. Department of Bioengineering and Technology.

Department - wise profiles of the Institute are as under :

APPLIED SCIENCES

The Department of Applied Sciences (merging the Departments of Physical Science, Chemical Science, and Mathematical Science, established in 2009) under the Faculty of Technology, GU, is established to facilitate innovative courses in Undergraduate, Postgraduate and/or Doctoral programmes, with inter-disciplinary or multi-disciplinary flavour.

PROFILE :

| | |
|------------------------------|--|
| Year of establishment | : 2009 |
| Head of Department | : Dr. Eeshankur Saikia |
| Courses offered | : (i) B.S.(4yr) in Physical Sc, Chemical Sc, Mathematical Sc (no new admissions) (ii) M.S.(2yr) in Physical Sc, Chemical Sc, Mathematical Sc (iii) M.Tech. in Material Science and Technology (Intake- 18) (iv) Ph.D. |
| Contact | : The Head, Department of Applied Sciences, New GUIST Building, GU, Phone No.: (+91)(+361)2672213 |
| Email | : appliedsc@gauhati.ac.in |
| Website | : http://www.gauhati.ac.in/appliedsc.php |

ELIGIBILITY FOR ADMISSION

| Course | Eligibility | Admission criteria |
|--|---|---|
| *B.S. (CS, MS, PS) M.S. (CS, MS, PS) | 10+2 B.S. (4yr) | As per 10+2 marks As per CGPA in B.S. |
| **M.Tech. in Material Science and Technology (2 yrs-Full Time) | B.S.(4yr)/B.Tech. or B.E./ M.Sc. in Physics, Chemistry, Mathematics | As per the merit list in the Admission Test to be conducted by the Department |
| Ph.D. | Masters in Physics, or Chemistry, or Mathematics | As per GU-RET |

* Fresh admissions into these 4 year B.S. programmes are stopped presently as per GU Executive Council resolution.
 ** AICTE accreditation will be applied for shortly.

SYLLABUS STRUCTURE UNDER CBCS (M.Tech. in Material Science and Technology)

| SEMESTER I | | | | | |
|---------------------|-------------|---|-----------|----------|-------------|
| SL NO | COURSE CODE | COURSE TITLE | L | T | P C |
| THEORY | | | | | |
| 1. | MST 111 | Fundamentals of Materials Science | 4 | 1 | 0 5 |
| 2. | MST 112 | Nano Science and Engineering | 4 | 1 | 0 5 |
| 3. | MST 113 | Fundamentals of Characterization Techniques | 4 | 1 | 0 5 |
| 4. | MST 114 | Engineering Mathematics | 4 | 1 | 0 5 |
| PRACTICAL | | | | | |
| 5. | MST 115 | Lab 1 (Computer programming) | 0 | 0 | 6 3 |
| TOTAL CREDIT | | | 16 | 4 | 3 23 |

| SEMESTER II | | | | | |
|---------------------|-------------|--|-----------|----------|-------------|
| SL NO | COURSE CODE | COURSE TITLE | L | T | P C |
| THEORY | | | | | |
| 1. | MST 121 | Numerical Analysis | 4 | 1 | 0 5 |
| 2. | MST 122 | Smart Materials and Analysis | 4 | 1 | 0 5 |
| 3. | MST 123 | Environmental Science and Green Energy | 4 | 1 | 0 5 |
| 4. | MST 124 | Electronics and Instrumentation | 4 | 1 | 0 5 |
| PRACTICAL | | | | | |
| 5. | MST 125 | Lab 2 (Materials Synthesis and Characterization – I) | 0 | 0 | 6 3 |
| TOTAL CREDIT | | | 16 | 4 | 3 23 |

| SEMESTER III | | | | | |
|---------------------|---------------------|---|-----------|----------|-------------|
| SL NO | COURSE CODE | COURSE TITLE | L | T | P C |
| THEORY | | | | | |
| 1. | MST 211 | Advanced Characterization Techniques | 4 | 1 | 0 5 |
| 2. | MST 212 | Molecular Modeling and Simulation | 4 | 1 | 0 5 |
| 3. | MST 214, MST 213 | Elective-I: (Data Analysis or Micro and Nano electronics) | 4 | 1 | 0 5 |
| 4. | MST 216, MST 215 | Elective-II: (Advanced Numerical Techniques or Advanced Functional Materials) | 4 | 1 | 0 5 |
| 5. | MST 217 | Green Energy: Open Elective under CBCS | 6 | 0 | 0 6 |
| PRACTICAL | | | | | |
| 6. | MST 221 | Lab 3 (Materials Synthesis and Characterization - II) / Project Minor | 0 | 0 | 6 3 |
| TOTAL CREDIT | | | 16 | 4 | 3 29 |

| SEMESTER IV | | | | | |
|---------------------|-------------|----------------------|----------|----------|--------------|
| SL NO | COURSE CODE | COURSE TITLE | L | T | P C |
| PRACTICAL | | | | | |
| 1. | MST 222 | Project Major & Viva | 0 | 0 | 40 20 |
| TOTAL CREDIT | | | 0 | 0 | 40 20 |

| ELECTIVE PAPERS – Materials Stream | | | | | |
|---|-------------|-------------------------------|---|---|-----|
| SL NO | COURSE CODE | COURSE TITLE | L | T | P C |
| 1. | MST 213 | Micro and Nano electronics | 4 | 1 | 0 5 |
| 2. | MST 215 | Advanced Functional Materials | 4 | 1 | 0 5 |
| 3. | MST 217 | | 4 | 1 | 0 5 |
| 4. | MST 219 | | 4 | 1 | 0 5 |

| ELECTIVE PAPERS – Mathematical / Numerical Stream | | | | | |
|--|-------------|-------------------------------|---|---|-----|
| SL NO | COURSE CODE | COURSE TITLE | L | T | P C |
| 1. | MST 214 | Data Analysis | 4 | 1 | 0 5 |
| 2. | MST 216 | Advanced Numerical Techniques | 4 | 1 | 0 5 |
| 3. | MST 215 | | 4 | 1 | 0 5 |
| 4. | MST 21X | | 4 | 1 | 0 5 |

Note 1: Periodic revision in the nomenclatures and content, including addition of more elective papers may be implemented as and when required.

Note 2: Credit transfer mechanism as per Ordinance and Regulation for M.Tech. Programs, Gauhati University, may be explored under institutional collaborations.

FACULTY**Associate Professor**

Eeshankur Saikia, M.Sc. (Delhi Univ), Ph.D. (Delhi Univ)
Specialization: Astronomy & Astrophysics, Computational Physics, Data Analysis

Assistant Professors

Archana Bora, M.Sc. (G.U.), Ph.D. (GU & IUCAA, Pune)
Specialization: Astronomy & Astrophysics, ANN

Bipul Bezbaruah, M.Sc. (G.U.), Ph.D. (G.U.)
Specialization: Physical, Theoretical, and Computational Chemistry

Debjani Basumatary, M.Sc. (N.E.H.U.), Ph.D. (N.E.H.U.)
Specialization: Inorganic chemistry, Bioinorganic Chemistry

Jituparna Goswami, M.Sc. (G.U.), Ph.D. (G.U.)
Specialization: Algebra, Graph Theory, Topology

Madhurjya Modhur Borgohain, M.Sc. (G.U.), Ph.D. (IISc, Bangalore)
Specialization: Condensed Matter Physics

Manas Dutta, M.Sc. (IITG)
Specialization: Fluid dynamics, Numerical Linear Algebra

Pranjal Kumar Baruah, M.Sc. (Dibrugarh Univ), Ph.D. (NCL, Pune), PostDoc (UNC Chapel Hill, USA; Univ of Oxford, UK)

Specialization: Inorganic Chemistry, synthetic Methodology, Peptidomimetics, Medicinal chemistry

Pranjal Saikia, M.Sc. (G.U.), Ph.D. (IICT, Hyderabad)
Specialization: Inorganic Chemistry, Nano-Science and Catalysis

Sunanda Naik., M.A. (S.U.), M.Phil. (S.U.), Ph.D. (IIT Madras)
Specialization: Complex analysis, theory of Function Spaces

Suparna Bhattacharjee, M.Sc. (Dibrugarh Univ), Ph.D. (Dibrugarh Univ)
Specialization: Condensed Matter Physics, Nanoscience & Nanotechnology

FACILITIES :

Basic Laboratories, Advanced Laboratories, Basic Computing Lab, Access to a HPC local cluster, Material Fabrication Lab and Electronics & Instrumentation Lab.\

NET/JRF :

Students from the Department have cleared NET / SLET, JEST, JAM, GATE, CAT, and other relevant competitive examinations to carry out their research activities

Research Projects :

Projects funded by the UGC, DST, DBT, and DAE (NBHM) are in progress.

ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering under the Faculty of Technology, GU has been established to facilitate state of the art infrastructure for Undergraduate, Postgraduate and Research programmes in the field of Electronics and Communication Engineering.

PROFILE :

| | |
|------------------------------|--|
| Year of establishment | : 2009 |
| Head of Dept. (i/c) | : Jyoti Prakash Medhi |
| Courses offered | : B.Tech. in Electronics and Communication Engineering (Intake- 36) M.Tech. in Signal Processing and Communication (Intake- 18) M.Tech. in Signal Processing and VLSI Design (Intake- 18) Ph.D. |
| Contact | : The Head, Department of ECE, 3 rd Floor, Arts Building, G.U. Tel: 0361-2672221 |
| Email | : ece@gauhati.ac.in |
| Website: | http://gauhati.ac.in/ece.php |

ELIGIBILITY FOR ADMISSION

| Course | Eligibility | Admission criteria |
|------------------------|--|--------------------------------|
| *B.Tech. (ECE) | As per CEE (Assam) norms | As per CEE ranks |
| M.Tech. in SPC and SPV | B.E./B.Tech. in ECE/EEE/Instrumentation or M.Sc.–ECE/Instrumentation or Equivalent | Admission Test to be conducted |
| Ph.D. | M. Tech in ECE/EEE/CSE/IT or equivalent | As per GU-RET |

*For B.Tech. Lateral entry to 2nd year eligibility criteria is 3-year Polytechnic Diploma or equivalent in the concerned branch with First Class or equivalent grade. Separate admission test will be conducted by the department for the selection.

FACULTY**Assistant Professors**

Jyoti Prakash Medhi, M.Tech. (T.U.)
Specialization: Biomedical Image Processing, Robotics, Speech Processing

Anjan Kumar Talukdar, M.Tech. (T.U.)
Specialization: Image Processing, Computer Vision.

Manash Pratim Sarma, M.Tech. (T.U.)

Specialization : VLSI, Device modelling, Digital Communication, Speech Processing

S.R. Nirmala, M.Tech. (NIT, Surathkal), PhD (IITG)
Specialization : Biomedical Image and Signal Processing

Apurba Bikash Kalita, M.Tech. (T.U.) Specialization: System design, Nanotechnology

Aradhana Misra, M.Tech. (G.U.)

Specialization : Wireless communication, Signal processing

FACILITIES :

Electronics Circuit Lab, B.Tech. Project Lab, Computational Lab, Signal Processing and Communication Lab, VLSI Lab, Communication Lab, M. Tech/Ph.D. Project Lab and CDAC Funded (Augmented Reality, SCADA, Cloud Computing and WSN) Lab.

PLACEMENT PROFILE

From the establishment of the department, most of the students are placed in various reputed academic cum research organizations and industries. Some of the organizations where our students placed are - L&T, Infosys, TCS, IBM, Wipro, Gauhati University, Dibrugarh University, NIT Nagaland, Indian Navy, Assam Don Bosco University, CDAC, Reliance GIO, Corporate Concierge Services, Zaloni, GIMT, Royal group of institutions, TICL, RIST, ADTU, HCL, Reverie Language Technologies and many more.

SYLLABUS STRUCTURE UNDER CBCS (M.Tech. in Signal Processing and Communication)

| SEMESTER 1 | | | | | | |
|-----------------------|-----------------------------------|-----------|----------|----------|-----------|-----------|
| COURSE CODE | COURSE NAME | L | T | P | C | CONT HOUR |
| ECE1015 | DIGITAL SIGNAL PROCESSING | 3 | 1 | 1 | 5 | 6 |
| ECE1024 | LINEAR ALGEBRA AND RANDOM PROCESS | 3 | 1 | 0 | 4 | 4 |
| ECE1035 | DIGITAL COMMUNICATION | 3 | 1 | 1 | 5 | 6 |
| ECE1044 | INFORMATION THEORY | 3 | 0 | 1 | 4 | 5 |
| OPEN: ECE1076 | DIGITAL IMAGE PROCESSING | 3 | 2 | 1 | 6 | 7 |
| SEMESTER TOTAL | | 15 | 5 | 4 | 24 | 28 |

| SEMESTER 2 | | | | | | |
|-----------------------|-------------------------------|-----------|----------|----------|-----------|-----------|
| COURSE CODE | COURSE NAME | L | T | P | C | CONT HOUR |
| ECI2014 | DSP PROCESSOR | 3 | 0 | 1 | 4 | 5 |
| ECI2024 | STATISTICAL SIGNAL PROCESSING | 3 | 0 | 1 | 4 | 5 |
| ECE2033 | COMMUNICATION NETWORKS | 3 | 0 | 0 | 3 | 3 |
| ECE2044 | MOBILE COMMUNICATION | 3 | 0 | 1 | 4 | 5 |
| ECE2054 | SATELLITE COMMUNICATION | 3 | 0 | 1 | 4 | 5 |
| ECE2XX6 | ELECTIVE | 3 | 2 | 1 | 6 | 7 |
| SEMESTER TOTAL | | 18 | 2 | 5 | 25 | 30 |

| ELECTIVE (EL2XX6) | |
|-------------------|---------------------------------|
| OPEN | ECE2096: COMPUTER VISION |
| | BIO MEDICAL SIGNAL PROCESSING |
| | SPEECH PROCESSING |
| | VLSI PHYSICAL DESIGN AUTOMATION |
| | SOFT COMPUTING METHODS |
| | NEURAL NETWORKS |
| | OPTICAL COMMUNICATION |
| | ADVANCED ANTENNA DESIGN |
| | DETECTION AND ESTIMATION THEORY |
| | ADVANCED PROCESSOR ARCHITECTURE |
| | ROBOTICS |
| | OPTICAL SENSORS |
| | ADVANCED PHOTONICS |
| | BIO-INFORMATICS |

| SEMESTER 3 | | | | | | |
|-----------------------|------------------------|----------|-----------|-----------|-----------|-----------|
| COURSE CODE | COURSE NAME | L | T | P | C | CONT HOUR |
| ECE30122 | PROJECT PHASE - I | 0 | 12 | 10 | 22 | 32 |
| ECE3022 | SEMINAR AND TERM PAPER | 0 | 2 | 0 | 2 | 2 |
| SEMESTER TOTAL | | 0 | 12 | 10 | 24 | 34 |

| SEMESTER 4 | | | | | | |
|-----------------------|--------------------|----------|-----------|-----------|-----------|-----------|
| COURSE CODE | COURSE NAME | L | T | P | C | CONT HOUR |
| ECE40124 | PROJECT PHASE - II | 0 | 12 | 12 | 24 | 36 |
| SEMESTER TOTAL | | 0 | 12 | 12 | 24 | 36 |

SYLLABUS STRUCTURE UNDER CBCS (M.Tech in Signal Processing and VLSI Design)

| SEMESTER 1 | | | | | | |
|-----------------------|-----------------------------------|-----------|----------|----------|-----------|-----------|
| COURSE CODE | COURSE NAME | L | T | P | C | CONT HOUR |
| ECE1015 | DIGITAL SIGNAL PROCESSING | 3 | 1 | 1 | 5 | 6 |
| ECE1024 | LINEAR ALGEBRA AND RANDOM PROCESS | 3 | 1 | 0 | 4 | 4 |
| ECE1055 | VLSI TECHNOLOGY | 3 | 1 | 1 | 5 | 6 |
| ECE1064 | ANALOG AND DIGITAL IC DESIGN | 3 | 0 | 1 | 4 | 5 |
| OPEN: ECE1076 | DIGITAL IMAGE PROCESSING | 3 | 2 | 1 | 6 | 7 |
| SEMESTER TOTAL | | 15 | 5 | 4 | 24 | 28 |

| SEMESTER 2 | | | | | | |
|-----------------------|-------------------------------|-----------|----------|----------|-----------|-----------|
| COURSE CODE | COURSE NAME | L | T | P | C | CONT HOUR |
| FCE2014 | DSP PROCESSOR | 3 | 0 | 1 | 4 | 5 |
| ECE2024 | STATISTICAL SIGNAL PROCESSING | 3 | 0 | 1 | 4 | 5 |
| ECE2063 | EMBEDDED SYSTEMS | 2 | 0 | 1 | 3 | 4 |
| ECE2074 | VLSI SYSTEM DESIGN | 3 | 0 | 1 | 4 | 5 |
| ECE2084 | VLSI DSP | 3 | 0 | 1 | 4 | 5 |
| ECE2XX6 | ELECTIVE | 3 | 2 | 1 | 6 | 7 |
| SEMESTER TOTAL | | 17 | 2 | 6 | 25 | 31 |

| ELECTIVE (EL2XX6) | |
|-------------------|--|
| OPEN | ECE2096: COMPUTER VISION VLSI PHYSICAL DESIGN AUTOMATION BIO MEDICAL SIGNAL PROCESSING SPEECH PROCESSING SOFT COMPUTING METHODS NEURAL NETWORKS OPTICAL COMMUNICATION ADVANCED ANTENNA DESIGN DETECTION AND ESTIMATION THEORY ADVANCED PROCESSOR ARCHITECTURE ROBOTICS OPTICAL SENSORS ADVANCED PHOTONICS BIO-INFORMATICS |

| SEMESTER 3 | | | | | | |
|-----------------------|------------------------|---|----|----|----|-----------|
| COURSE CODE | COURSE NAME | L | T | P | C | CONT HOUR |
| ECE30122 | PROJECT PHASE - I | 0 | 12 | 10 | 22 | 32 |
| ECE3022 | SEMINAR AND TERM PAPER | 0 | 2 | 0 | 2 | 2 |
| SEMESTER TOTAL | | 0 | 12 | 10 | 24 | 34 |

| SEMESTER 4 | | | | | | |
|-----------------------|--------------------|---|----|----|----|-----------|
| COURSE CODE | COURSE NAME | L | T | P | C | CONT HOUR |
| ECE40124 | PROJECT PHASE - II | 0 | 12 | 12 | 24 | 36 |
| SEMESTER TOTAL | | 0 | 12 | 12 | 24 | 36 |

INFORMATION TECHNOLOGY

The Department of Information Technology (renaming the Department of Computer & Information Technology from June, 2012) under the Faculty of Technology, GU has been established to facilitate state of the art infrastructure for different Undergraduate, Postgraduate and Research programmes in the field of Computer and Information Technologies.

PROFILE:

| | |
|-----------------------|---|
| Year of establishment | : 2009 |
| Head of Dept. (i/c) | : Mirzanur Rahman |
| Courses offered | : B.Tech. in Information Technology (Intake- 36) B.Tech. in Computer Science & Engineering (Intake- 36) M.Tech. in Information Technology (Intake- 18) Ph.D. |
| Contact | : The Head, Department of IT, Near RCC-1 and 2 Boys Hall, G.U. Tel: 0361-2672215 |
| Email | : infotech@gauhati.ac.in |
| Website | : http://www.gauhati.ac.in/infotech.php |

ELIGIBILITY FOR ADMISSION

| Course | Eligibility | Admission criteria |
|--------------------------------------|---|--------------------------------|
| *B.Tech. (IT / CSE) | As per CEE (Assam) norms | As per CEE ranks |
| M.Tech. in IT (2 Years Full Time) | B.E./B.Tech. in CSE/IT/ECE/ MCA/M.Sc.–IT/ M.Sc.–CS/ M.Sc.- “Maths & Computing” or Equivalent | Admission Test to be conducted |
| PhD | Masters in CSE/IT/CS or MCA or equivalent | As per GU-RET |

*For B.Tech. Lateral entry to 2nd year eligibility criteria is 3-year Polytechnic Diploma or equivalent in the concerned branch with first class or equivalent grade and separate admission test will be conducted by the department.

FACULTY**Professor**

Prof. Shikhar Kumar Sarma, M.Sc. (G.U.), Ph.D. (G.U.) [on lien]

Specialization : NLP, AI, Computer Networks

Assistant Professors

Mirzanur Rahman, M.Tech. (T.U.)

Specialization : NLP

Vaskar Deka, M.Tech. (T.U.)

Specialization: Computer Networks, Architecture

Parismita Sarma, M.Tech. (T.U.)

Specialization: Speech Technology

Nabamita Deb, M.Tech. (NERIST)

Specialization : Speech Technology, Information Security

Satyajit Sarmah, M.Tech. (T.U.)

Specialization: Computer Networks

Chandan Kalita, M.Tech. (T.U.)

Specialization: Operating Systems

Kishore Kashyap, M.Tech. (G.U.)

Specialization: NLP

FACILITIES

Basic Computing Lab, B.Tech. Final Year Lab, M.Tech. Final Year Lab, Embedded Systems and IoT Lab, Computer Networks & Cryptography Lab, NLP and Speech Technology Lab and CDAC Funded (Augmented Reality, SCADA, Cloud Computing and WSN) Lab.

PLACEMENT PROFILE

From the establishment of the department, most of the students are placed in various reputed academic cum research organizations and industries. Some of the organizations where our students are placed - L&T, Infosys, TCS, IBM, Wipro, Assam Engineering College, Bodoland University, CIT-kokrajhar, NEHU, CDAC, Reliance GIO, Corporate Concierge Services, Zaloni, GIMT, Royal group of institutions, Innofied Solutions, RIST, ADTU, HCL, Reverie Language Technologies and many more.

RESEARCH PROJECTS

“Sandhan”- A Cross-Lingual Information Access Project, is running in the department

Funded by: DeitY, MC&IT.

SYLLABUS STRUCTURE UNDER CBCS (M.Tech in Information Technology)

| Course Code | First Semester |
|-----------------|---|
| IT1015 | Computer Systems (OS, COA, DBMS, Compiler, Computer Networks) [C] |
| IT1024 | Design and Analysis of Algorithms [C] |
| IT1034 | Seminar Course [C] |
| IT1xx4 * | Departmental Elective 1 [E] |
| IT1xx4 * | Departmental Elective 2 [E] |
| IT1116 | Computer Fundamentals & Programming with C [O] |
| Second Semester | |
| IT2014 | Web Technologies [C] |
| IT2024 | Information Theory & Coding [C] |
| IT2034 | Seminar Course [C] |
| IT2xx4 * | Departmental Elective 3 [E] |
| IT2xx4 * | Departmental Elective 4 [E] |
| IT2116 | Web Designing & Technologies [O] |
| Third Semester | |
| IT30124 | Project 1 [C] |
| Fourth Semester | |
| IT40124 | Project 2 [C] |

Notes:

- The first digit indicates the semester, the next two the course number and the fourth and fifth (if exist) the credit per week the course carries.
- [C] – Core, [E] – Elective, [O] – Courses open for students of other disciplines
- * **xx** in Course Code will be replaced by the course serial no given in the Departmental Elective list that are offered by the department session by session.

List of Departmental Electives :

| For first Semester | |
|---------------------|---|
| Course CODE | Course Name |
| IT 1214 | Natural Language Processing |
| IT 1224 | Data Mining & Data Warehousing |
| IT 1234 | Speech Processing |
| IT 1244 | Software Testing and Quality Assurance |
| IT 1254 | Biologically Inspired Computing |
| IT 1264 | Decision Support Systems |
| IT 1274 | Advanced System Administration and Networking |
| IT 1284 | Wireless Communication and Networks |
| IT 1294 | Distributed Systems |
| IT 1304 | Applied Graph Theory |
| IT 1314 | Educational Technologies |
| IT 1324 | E-learning Technologies |
| IT 1334 | Electronic Commerce Technologies |
| IT 1344 | Enterprise Resource Planning |
| IT 1354 | Fuzzy Logic and Neural Networks |
| IT 1364 | Geographical Information Systems |
| IT 1374 | Object Oriented System Design |
| For second Semester | |
| Course CODE | Course Name |
| IT 2214 | Advanced Database Management systems |
| IT 2224 | Advanced Web Technologies |
| IT 2234 | Digital Image Processing |
| IT 2244 | Cryptography and Computer Security |
| IT 2254 | Computer Architecture and Parallel Processing |
| IT 2264 | Digital Signal Processing |
| IT 2274 | Mobile Computing |
| IT 2284 | Pattern Recognition |
| IT 2294 | Agent Oriented Computing |
| IT 2304 | Artificial Intelligence and Intelligent Systems |
| IT 2314 | Internet Protocols |
| IT 2324 | Knowledge based systems |
| IT 2334 | Linux Kernels |
| IT 2344 | Management Information Systems |
| IT 2354 | Parallel and Randomized algorithms |
| IT 2364 | Real Time Systems |
| IT 2374 | Software Project Management |

BIOENGINEERING AND TECHNOLOGY

The Department of Bioengineering and Technology under the Faculty of Technology, GU has been established to facilitate state of the art infrastructure for undergraduate and postgraduate programmes in the field of Biotechnology and research programme in the arena of Biotechnology and allied areas.

PROFILE :

| | |
|------------------------------|---|
| Year of establishment | : 2009 |
| Head of Dept. | : Prof. ManabDeka |
| Courses offered | : B.Tech. in Biotechnology (Intake- 28) M.Tech. in Biotechnology (Intake- 18) PhD in Biotechnology and allied areas |
| Contact GU. | : The Head, Department of Bioengineering and Technology, 2nd Floor, Arts Building, GU. Tel: 0361-2672214, Mobile: 9954028440 |
| Email | : bioengg@gauhati.ac.in |
| Website | : http://www.gauhati.ac.in/bioengg.php |

ELIGIBILITY FOR ADMISSION

| Course | Eligibility | Admission criteria |
|--------------------------------------|---|--------------------------------|
| *B.Tech. (BIOTECH) | As per CEE (Assam) norms | As per CEE ranks |
| M.Tech. in Biotech (2 yrs-Full Time) | B.Tech./B.S./M.Sc. in Biotechnology and allied subjects | Admission Test to be conducted |
| Ph.D. | Masters in Biotechnology and allied areas | As per GU-RET |

**For B.Tech. Lateral entry to 2nd year eligibility criteria is 3-year Polytechnic Diploma or equivalent in the concerned branch with first class or equivalent grade. Students need to appear a separate admission test which is conducted by the department.

FACULTY**Professor**

Prof. Manab Deka, M.Sc. (S.P. U, Gujarat), Ph.D (G.U.), Post Doc. (University of Hawaii, US)
Specialization: Microbiology and Immunology

Assistant Professors

Subhash Medhi, M.Sc (G.U.), Ph.D (G.U.), ICMR-IF, Post Doc (VUB, Belgium)
Specialization : Molecular Virology and Oncology

Debabrat Baishya, M.Sc. (G.U.), Ph.D (G.U.)
Specialization : Microbial Biotechnology and Molecular Bioprospecting

Sofia Banu, M.Sc. (G.U.), Ph.D (NCL, Pune)
Specialization : Plant Molecular Biology

Kandarpa Kumar Saikia, M.Sc (J.M.I.U.), Ph.D (AIIMS, New Delhi)
Specialization : Molecular Epidemiology and Drug Discovery

Ghaznavi Idris, M.Sc. (A.M.U.), Ph.D (G.U.)
Specialization: Human Genetics and Biochemistry

Madhuri Das, M.Sc. (G.U.), M.Tech. (T.U.), Ph.D (IITG)
Specialization: Enzyme Biosensor

FACILITIES

Biomedical Science laboratory, Molecular Biology laboratory, Microbial and Bioprospecting Laboratory and Computational Biology and Molecular Diagnostics laboratory.

PLACEMENT PROFILE

From the establishment of the department, most of the students are placed in various reputed academic cum research organizations and industries. Some of the organizations where our students are placed - IBM, Bangalore; FCI, Assam; Fullerton India, Mumbai; HDFC Bank; Syndicate Bank; WIPRO, New Delhi; IIITG; Dimoria College; etc.

RESEARCH PROJECTS

Dr. S. Medhi, Dr. K.K. Saikia and Dr. S. Banu are working as Principal Investigator in different research projects funded by different Institutions/organisations.

SYLLABUS STRUCTURE UNDER CBCS (M.Tech. in Biotechnology)

Semester I

| Course Code | Course Title | L | T | P | C | Contact Hour |
|-------------|--|----|---|---|----|--------------|
| BET 1014 | Microbial & Immunotechnology | 3 | 1 | 0 | 4 | 4 |
| BET 1024 | Genetic Engineering | 3 | 1 | 0 | 4 | 4 |
| BET 1034 | Protein Engineering | 3 | 1 | 0 | 4 | 4 |
| BET 1044 | Molecular Diagnostic/Petroleum Microbiology/Virology (Department Elective 1) | 4 | 0 | 0 | 4 | 4 |
| BET 1055 | Biotechnology Lab I | 0 | 0 | 5 | 5 | 10 |
| BET 1066 | Bioethics and Intellectual Property Rights (Open) | 5 | 1 | 0 | 6 | 6 |
| Total | | 18 | 4 | 5 | 27 | 32 |

Semester II

| Course code | Course Title | L | T | P | C | Contact Hour |
|-------------|--|----|---|---|----|--------------|
| BET 2074 | Biochemical engineering & Fermentation Technology | 3 | 1 | 0 | 4 | 4 |
| BET 2084 | Food Science and Technology | 3 | 1 | 0 | 4 | 4 |
| BET 2094 | Omics and Tissue Engineering | 3 | 1 | 0 | 4 | 4 |
| BET 2104 | Pharmaceutical Biotechnology/ Bioprospecting /Molecular Oncology (Department Elective 2) | 4 | 0 | 0 | 4 | 4 |
| BET 2114 | Biotechnology Lab II | 0 | 0 | 4 | 4 | 8 |
| BET 2126 | Open- Health & Hygiene | 5 | 1 | 0 | 6 | 6 |
| BET 2131 | Industry/Research Institute visit | 0 | 0 | 1 | 1 | 4 |
| Total | | 18 | 4 | 5 | 27 | 34 |

Semester III

| Course code | Course Title | L | T | P | C | Contact Hour |
|-------------|--|---|---|----|----|--------------|
| BET 31425 | Project work, progress Sem nar, Assignment | 0 | 1 | 24 | 25 | 37 |

Semester IV

| Course code | Course Title | L | T | P | C | Contact Hour |
|-------------|--|---|----|----|----|--------------|
| BET 41525 | Project work, progress Seminar, Assignment | 1 | 24 | 25 | 37 | |



COMMUNICATION AND JOURNALISM

The Department

It was a rare foresight and ability to think ahead of the times that the Department of Communication & Journalism of Gauhati University was started in 1967.

One of the first ten university departments of Journalism and Mass Communication studies in the country, the department was started as a part of the Political Science Department under the able leadership of Professor V Venkatarao who was instrumental in setting it up. Some other eminent personalities such as Dr. Birendra Kumar Bhattacharyya, the Jnanpith awardee, Dr. Anjan Banerjee and Dr. Aurobindu Mazumdar contributed to the growth of this Department.

In 1983, the Department was converted to a separate full-fledged Department to offer a postgraduate diploma course in Communication & Journalism. Later, the Department launched the Bachelor of Communication & Journalism (BCJ) course in 1994. It was a postgraduate level one year course. This course continued till the 2005-06 academic session.

From the 2005-06 academic session, the department started the full-time two year M.A. in Mass Communication course as per the UGC guidelines.

The motto of the Department is to become a hub of all mass communication-related activities for the entire North Eastern Region of India in every field of this subject.

Profile

Year of Establishment : 1967

Head of

the Department : Dr. Ankuran Dutta

Course offered : M.A. in Mass Communication
Ph.D.

Intake : M.A.M.C. : 36

Contact : The Head, Department of
Communication & Journalism
Tel : 98645 37316

E-mail : communication@gauhati.ac.in

Website : <http://gauhati.ac.in/communication.php>

Community media, Public Relations, Radio, Television, ICT and Educational Media, Development Communication, Conflict Reporting,

Assistant Professor

Chandan Kumar Goswami, B.C.J. (GAU), M.J. (M.G. KASHI VID), M.A. LING. (GAU)

Indian and World Press, Mass Media Research, Media Technology and Computer. Printing and Design, Film Studies, Folk Media and Community Journalism

Assistant Professor (Contractual)

Bharati Bharali, BCJ(GAU), MAMC (GAU), M.Sc.(Zoo), M.Phil (GAU)

Electronic Media, Film studies, Science Comm., Development Communication and Media Research.

Guest Teachers

There are a total of 33 Guest Teachers from the industry and other knowledge fields.

Employability

The employability of our students is very high in all the sectors- government, corporate, private etc. as demonstrated by the job offers to the current students as well as the placement of the alumni.

Placement Profile

Within the short span of time since the M.A. Mass Communication course was introduced, our students have been well-received by the industry. They have been getting absorbed in various private as well as government and semi-government concerns. Some of the organizations where our students are absorbed are: Dibrugarh University, KKHSOU, IGNOU, OKDISCD, Cotton College, Diphu Govt. College, Bongaigaon College and other colleges of Assam in Mass Communication Department. SIRD, NRHM, SSA. CMS(Delhi), SACS, Doordarshan, AIR, Private Satellite Channels of Assam, FM channels of Assam, almost all print media houses of Assam, DIPR Assam. Besides, some of the students are working in Mumbai/Deihi in Audio Visual and print media. Our students are also working with various PR, Advt. and web content development organizations.

It is worth mentioning that several of our current students have been selected for casual/part-time jobs as programme anchors and announcers/programme producers, news readers etc. in the TV and radio channels.

All students are involved in the 90.8 Radio Luite, a community radio of Gauhati University since its starting in February, 2011.

Eligibility

For M.A.M.C,

Graduates from a recognized University in any subject with 50% marks in aggregate and minimum of 45% marks in Major/Honours subjects.

There is a provision for relaxation for students belonging to OBC/MOBC/SC/ST as per G.U.rules.

Admission Process

This is done through a written entrance test comprising both objective and essay-type questions followed by Viva Voce of selected candidates from entrance test.

The written test is designed to evaluate the candidate's knowledge of current affairs, general awareness, English language expression skills etc.

Specializations offered

For M.A.M.C.

1. Online Journalism
2. Broadcast Journalism
3. Film Studies
4. Community communication
5. Advertising and Public Relations

Faculty : Teaching and Research Interests

Associate Professor

Ankuran Dutta, M.A. (Visva Bharati), M.A. (GU), M.Phil. (GU), Ph.D. (NSOU), (*Head of the Department*)

SYLLABUS STRUCTURE UNDER CBCS

| First Semester | |
|-----------------|--|
| VMC1015 | Indian Society and Politics (C) |
| VMC1025 | History of Media and Global Media Scenario (C) |
| VMC1035 | Perspectives on Communication Theory (C) |
| VMC1045 | Basis of Journalism Print Media (C) |
| VMC1054 | Practical (C) |
| Second Semester | |
| VMC2015 | Electronic Media (C) |
| VMC2025 | Advertising (C) |
| VMC2035 | Public Relations and Corporate Communication (C) |
| VMC2045 | Media Laws and Ethics (C) |
| VMC2054 | Practical and Internship (C) |
| Third Semester | |
| VMC3015 | Foreign Journalism (F & T) |
| VMC3025 | Media and Communication Research (C) |
| VMC3035 | Specialisation-I (C) |
| VMC3045 | Specialisation-II (C) |
| VMC3054 | Practical and Portfolio (C) |
| Fourth Semester | |
| VMC4015 | Digital and Social Media (F & T) |
| VMC4025 | Communication for Development (C) |
| VMC4035 | Specialised Communication (C) |
| VMC4045 | Current Affairs and Communicative Language (C) |
| VMC4055 | Dissertation and Comparative Viva Voce (C) |

Internship/Summer Placement

The students of this Department are sent for internship and summer placements in reputed media and media-related organizations across the state as well as in other parts of the country.

Clubs and Societies

Our students receive regular exposure programmes in various fields. One major avenue has been the New Ways Comics through which several awareness creation campaigns on social issues have been carried out successfully.

Communika

The media festival for media students of the North-Eastern Region is organized annually. The students of our Department successfully organized Communika for the Eighth time in March 2016. This is the first ever media festival among students of Mass Communication organized fully by themselves. The event was a major success that exposed the students to the practical aspects of event management and organization, which has become a highly important constituent of Mass Communication studies. They also published a magazine 'Pratyasa' during Communika.

Award and Fellowship

An award to the topper of this department has been proposed in the name of Justice (Rtd.) Dr. B.R Saraf by the **Dr. B.P. Saraf Memorial Trust** from the year 2015.

The **Paresh Baishya Foundation Fellowship** launched from the 2008 session, and offered to a student of Semester IV (final semester) for carrying out dissertation work on a chosen media-related topic.

Seminar

(a) The department organized a National seminar on "MEDIA OF NORTH EAST INDIA PROSPECTS & CHALLENGES" on 29th & 30th November, 2014 in collaboration with Media

Management & Research Association. Guwahati and in Association with DIPR, Govt. of Assam. Nearly three hundred participants from all over country attended this.

(b) A Symposium on Comparative study on Creative writing and Journalistic writing in Assamese language and Media of Assam was organized in collaboration and financial assistance from Sahitya Akademi, Kolkata on 20th January, 2015.

(c) A National Seminar on "Children and Assamese Children Literature" was organized on 24th & 25th May, 2014 in collaboration with Mahav Vikash Samaj, Guwahati.

(d) Workshops were held on various issues of child and Adolescents in collaboration with UNICEF, Assam during 2015-16 and 2016-17.

Collaborations

1. With Gandhi Smriti and Darshan Samity (GSDS) of New Delhi for spreading 'Media Literacy' on Gandhian principles.
2. Organized colloquiums for media students and teachers at university and college level for the entire NE region for the past several years on International Humanitarian Laws and Conflict Reporting on behalf of the International Committee of the Red Cross (ICRC), India Delegation.
3. With UNICEF for organizing sensitization workshops for NGOs, media personnel and media students at state-level on children's rights and media role.
4. The department has partnership with UNICEF on a 'Project on Social and behavior change communication for empowerment of adolescence in Assam for the year 2015 and successfully completed the second phase of the project as undergoing for 2016.

Projects

A major project on Science Communication, from the National Council for Science and Technology Communication (NCSTC), Department of Science & Technology, Government of India was carried out.

A major project of Rs. 23 lakhs was granted to the Department in 2015-2016.

The department is now working on communication for Development (C4D) with UNICEF with another major project of about 26 lakhs for the session 2016-17. Another project of INR 6 lakhs has been sanctioned to the Department by UNICEF for a Networking with the Indian industries.

Students Achievements

10 Students of our department and MCJ-IDOL course cleared UGC-NET Exams in June, 2012 Examination. One Student has cleared UGC-JRF in June, 2012 Exams. 3 Students cleared UGC-NET Exam in Dec., 2012 exam and one student cleared UGC-JRF exam, in Dec., 2012 and two in June, 2013. Three students joins as IIS (JR) Grade and two as DIPRO.

Our Students participated in media events and Festivals organised by Tezpur Central University, Assam University, Silchar and got prize in many events. Our Students also participated in many national level inter University Youth Festivals representing Gauhati University and got prizes **Shiromoni Bhuyan**, a Ph.D. Research Scholar of the Department had achieved Rajat Jayanti Vigyan Sanchalak Fellowship of the Department of Science and Technology, Govt. of India for the year 2012.

JRF

Two JRF and two Rajiv Gandhi Fellowship scholars are presently doing research work in our Department. This year one more JRF is expected to join.

Two of our students Ms. Mridusmita and Ms. Amrita received award of Prag Cine Award for Singing and Acting respectively. One of our Research Scholar Ms. Bobby Sarma Baruah awarded for her feature film 'Adamyia' nationally and internationally in the year 2014-15.

Facilities

The Department has its own library with select books on all aspects of mass communication as well as media journals. The Department has computers, digital video camera, handy cams, still cameras, DVD player, colour TV set, LCD project screen, laptop computers, digital laser printer, digital Photostat machine, photo scanner etc.

How to find us

Entering through the Main Gate G.U. take the first left turn after crossing the G.U. Canteen. The Department of Communication and Journalism is located in front of the RCC II (Gopinath Nath Bardoioi) Boys' Hostel.



Inaguration of G.U. Bus Service

FOLKLORE RESEARCH

The Department

The Department is one of the premier and the oldest Folklore Departments in the country. It offers courses in Folklore theory and methods by experts in the field. Along with its focus on the literary and artistic study of Folklore, the Department stresses the need for studying indigenous Knowledge Systems and Folk Science in M.Phil, and Ph.D. research.

The Department also notes the struggle for survival of the people and how the cultural and intellectual rights of the people could be upheld against the forces which are leveling cultures and destroying traditions.

Profile

Year of Establishment : 1972

Head of

the Department : Prof. Kishore Bhattacharjee

Course offered : M.Phil.
Ph.D.

Intake : M. Phil : 11

Contact : The Head
Department of Folklore
Research

Website : www.gauhati.ac.in/folklore

Specializations offered

The Course covers international and contemporary Folklore theories and methods as well as the Folklore of Assam and North-East India. The students also get an opportunity to 'learn Basic Linguistics and Anthropology necessary for Folklore studies.

Faculty : Teaching and Research Interests

Professor

Kishore Bhattacharjee, M.Sc. (CAL), Ph.D. (GAU), (*Head of the Department*)

Folklore Theory, Folk Narratives, Urban Folklore, Socio-cultural Anthropology.

Associate Professor

Anil Kumar Boro, M.A. (GAU), Ph.D. (GAU)

Folk Literature, Bodo Literature, Post Modernism.

Assistant Professor

Pallabi Borah, M.A. (GAU), M.Phil. (GAU)

Folk narratives, Social Geography.

Guest Faculties

Prabin Chandra Das, M.A. (GAU), Ph.D. (GAU)

Folk Literature of Assam.

Mrinal Medhi, M.A. (KAN), Ph.D. (GAU),

Research Methodology, Formalism, English Literature.

Part Time Faculties

Sudipta Bezbaroa, M.A, EL and ELT (GAU)

Linguistics.

NET/JRF

Currently there are six JRF holders and eight NET qualified research scholars in the Department.

Facilities

There is good library which has books about Folklore, Anthropology, Sociology, Indology, Cultural studies and Literary Criticism. Besides there are facilities for internet browsing.

How to find us

The Department Folklore Research is located in the double-storied building behind the Department of Business Administration and to the western side of the Department of Education.

Eligibility

All applicants are required to sit for an entrance test.

Course Structure

| | | |
|---------------------|---|-----------|
| Written papers | = | 200 Marks |
| Internal assessment | = | 50 Marks |
| Dissertation | = | 200 Marks |
| Viva voce | = | 50 Marks |
| Total marks | = | 500 Marks |

Outline of the two written papers:

Paper I

Part A :

Concept. Theory, History etc. 50 marks

Part B :

Research Methodology including Field Techniques 50 marks

Paper II

Part A:

Folk Literature of Assam (including materials in tribal languages) 50 marks

Part B :

• Culture (with special reference to Folk Culture) 50 marks
or

• Linguistics (as related to Folklore Studies) 50 marks

COMMERCE

The Department

The Post Graduate Department of Commerce was established in 1948 to cater to the need of higher education in commerce in the North East Regions. Over the years, the faculty has successfully framed and implemented new course contents, as and when necessary at par with the national pattern and improved upon it, keeping in view the requirement of manpower resources of the Region,

Profile

| | |
|------------------------|---|
| Year of Establishment | : 1948 |
| Head of the Department | : Prof. Bhaskarjyoti Bora |
| Course offered | : M. Com. Five-year Integrated M.Com. Ph.D. |
| Intake | : M. Com. : 60 Five year Integrated M.Com. : 55 |
| Course through IDOL | : M.Com. |
| Contact | : Department of Commerce Contact No. : 09678934296 |

Course Structure

Semester wise distribution of marks

M.Com.

First Semester and Second Semester (500+500)= 1000

Third Semester and Fourth Semester (500+500) = 1000

Five years integrated M.Com.

First Semester to Sixth Semester = 3200

Seventh Semester to Tenth Semester = 2000

Specializations Offered

- Accounting & Finance
- H. R. Management & Marketing

Faculty : Teaching and Research Interests

Professors

Prof. Bhaskarjyoti Bora, M.Com., LL.B., PGDHRM, Ph.D.
(*Head of the Department*)

Prof. S. Sikidar, M.Com. Ph.D.

Prof. P. L. Hazarika, M.Sc., M.Phil. (Maths). M.Sc.(Stat), M.A.Eco), Ph.D.

Prof. Nayan Barua, M.Com., LLB., Ph.D.

Prof. H. C. Gautam, M.Com., M.A. (Eco), Ph.D.

Prof. Aparajeeta Borkakoty, M.Com., Ph.D.

Associate Professors

A. P. Singh, M.Com., LLB., Ph.D.,

S. K. Mahapatra, M.Com., M.Phil., Ph.D.

Prasanta Sharma, M.Com., Ph.D.

Assistant Professors

Angana Borah, M.Com.

Tilak Ch. Das, M.Com, Ph.D.

Kaushik Kishore Phukan, M.C.A.

Saurabhi Borthakur, M.Com.

Upasana Borpujari, M.Com.

Bonosree Bhuyan, M.Com

Suparna Ghosh, M.Com, Ph.D.

Mahua Deb, M.Sc. MBA

Siddarth Nayan Sharma, M.Com, MBA

Guest and Other Faculty

Prasanna Kumar Mozumdar, M.Com., PGDM, Ph.D.

Saptadweepa Shandilya, M.Com.

Kabita Kalita, M.Com.

Sushanta Dutta, M.Com.

Pranami Das, M.A.

Pranjana Nath, M.A.

Other Guest Faculties are invited from professional bodies or industries to handle certain subjects in the relevant courses.

Facilities

The Departmental Seminar Library possesses 7,000 books on various subjects, and is accessible to the students and faculty members of the Department.

The Department has a Computer Laboratory of thirty computers with 24-hour internet facilities

Placement Opportunities

The Department provides placement services by arranging campus recruitment.

In the past, Stock Holding Corporation of India, Williamson Magor (McLeod Russell), Standard and Poors, HDFC Life, Bajaj Allianz, ASEB, BHEL, SBI, United Bank of India, HDFC Bank, IIE, BSNL, FCI and AAI have recruited our students.

How to Find Us

The Department of Commerce is housed in a newly constructed building situated on the eastern side of the Department of Botany.

SYLLABUS STRUCTURE UNDER CBCS (M.Com.)

| Semester | Type of Course | Code | Paper/Subject |
|---|--|---|---|
| 1st | Core | COM 1016 | Business Policy Analysis |
| | Core | COM 1026 | Financial Reporting and Analysis |
| | Core | COM 1036 | Marketing Policy and Analysis |
| | Core | COM 1046 | Business Statistics |
| | Core | COM 1056 | Financial Markets and Institutions |
| 2nd A student has to opt for either Group A or Group B | Core | COM 2016 | Economic Legislations |
| | Core | COM 2026 | Organizational Behaviour |
| | Core | COM 2036 | Operation Research and Computer in Business |
| | Elective (Group-A) | COM 2046 | Advanced Financial Management |
| | | COM 2056 | Security Analysis and Portfolio Management |
| | Elective (Group-B) | COM 2066 | Strategic Human Resource Management |
| COM 2076 | | Marketing Research and Consumer Behaviour | |
| 3rd A student has to opt for either Group A or Group B | Core | COM 3016 | Research methodology |
| | Core | COM 3026 | Project Management |
| | Core | COM 3036 | Dissertation(75 marks for Dissertation and 25 marks for Viva-voce) |
| | Elective (Group-A) | COM 3046 | International Financial Management |
| | | COM 3056 | Advanced Cost and Management Accounting |
| | Elective (Group-B) | COM 3066 | Industrial Relations and Labour Laws |
| | | COM 3076 | International Marketing |
| | Value Added | COM 3084 | Skill for Managers |
| 4th | Core | COM 4016 | Strategic Management |
| | Core | COM 4026 | Entrepreneurship Management |
| | Electives Electives (A student has to opt for any three papers) | COM 4036 | Tax Planning |
| | | COM 4046 | Management of Financial Services |
| | | COM 4056 | Strategic Services Marketing |
| | | COM 4066 | Microfinance |
| | | COM 4076 | International Business |
| | Value Added | COM 4084 | E-Commerce |
| Total Credits: | | | |
| Core Courses | 13 Papers x 6 | 78 | |
| Elective Courses | 7 Papers x 6 | 42 | |
| Value Added Courses | 2 Papers x 4 | 8 | |
| Total | | 128 | |

BUSINESS ADMINISTRATION

The Department

During the three decades of its existence the Department of Business Administration has successfully addressed the urgent need of trained human resources in the North East in the various spheres of management. In order to achieve this goal the Department has constantly strived to develop in the students an analytical mind-set, in-depth professional knowledge, a passion for achievement and a socially responsive outlook that will ensure all-round development of the nation.

Profile

| | | |
|------------------------|---|--|
| Year of Establishment | : | 1978 |
| Head of the Department | : | Dr. M.K. Chowdhury |
| Course offered | : | 2 year full-time M.B.A. Programme Business Economics Programme 5 year MBA Dual, B.Tech., M.B.A. Integrated Programme Ph.D. |
| Intake | : | M.B.A. : 60 M.B.E. : 30 M.B.A. (Dual) : 40 |
| Course through IDOL | : | PG Diploma in Business Management PG Diploma in Sales and marketing management PG Diploma in HRM PG Diploma in Insurance management PG Diploma in Financial management PG Diploma in Banking and Financial Service Joint certification course by MBA Dept. GU & Axis Bank Ltd. on Banking. |
| Contact | : | 98640 15601 (M) Head, Department of Business Administration |
| E-mail | : | mkc@gauhati.ac.in |
| Website | : | http://gauhati.ac.in/businessadmin.php |

A) Regular MBA Programme

Eligibility

A Bachelor's Degree of 10+2+3 pattern with a minimum of 50% marks in aggregate or in Major/Hons. subject (if any) from Gauhati University or any other recognized University.

Eligible applicants will have to appear in a written test, intended to evaluate their quantitative aptitude, general awareness and proficiency in English, to be conducted by Gauhati University or the State Directorate of Technical Education as common entrance tests for the MBA programme.

However, candidates who have appeared in any one of the All India Common Entrance Tests for admission to an MBA

programme, viz. CAT, XAT, MAT or ATMA, and scored marks not less than 75 percentile, are exempted from appearing in the written tests conducted by Gauhati University/State DTE. Candidate qualifying in the written test conducted by Gauhati University/State DTE or a candidate having scored marks not less than 75 percentile in the aforesaid All India Common Entrance Tests shall be permitted to appear in the Group Discussion and Interview for final selection.

MBA Course Structure

First Semester

SYLLABUS STRUCTURE

| Paper No. | Title of the Paper | Credit |
|-----------|--|------------|
| 101 | Managing Organization | 4 |
| 102 | Behavioural Science | 4 |
| 103 | Managerial Economics | 4 |
| 104 | Quantitative Techniques in Management | 4 |
| 105 | Strategic Cost Analysis & Management | 4 |
| 106 | Financial accounting, Reporting & Analysis | 4 |
| 107 | IT Design & Implementation | 4 |
| 108 | Legal Aspects of Business | 4 |
| 109 | Written and Oral Communication | Non credit |

Second Semester

| Paper No. | Title of the Paper | Credit |
|-----------|---|------------|
| 201 | Marketing Management | 4 |
| 202 | Production Management | 4 |
| 203 | Financial Management | 4 |
| 204 | Human Resource Management | 4 |
| 205 | Research Tools & Techniques in Business | 4 |
| 206 | Global, Emerging & Indian Economy | 4 |
| 207 | MIS & Data Mining | 4 |
| 208 | Operations Research | 4 |
| 209 | Disaster Management | Non credit |

Third Semester

| Paper No. | Title of the Paper | Credit |
|------------|---|--------|
| Compulsory | | |
| 301 | Business Environment & Strategic Management | 4 |
| 302 | Summer Project | 4 |

| TWO SPECIALIZATION + 2 PAPERS FROM ELECTIVES | | |
|--|--|----|
| 311 | Investment analysis & portfolio management | |
| 312 | Banking & financial services | 97 |
| MARKETING | | |
| 321 | Consumer Analysis & Retailing | 4 |
| 322 | Advertising & Brand Management | 4 |
| HR | | |
| 331 | Organizational Development & Managing Change | 4 |
| 332 | Industrial Relations | 4 |
| PRODUCTION | | |
| 341 | Agile and Computer Integrated Manufacturing | 4 |
| 342 | TOM and Six Sigma | 4 |
| Elective papers (any two) | | |
| 351 | Business/ Corporate Valuation | 4 |
| 352 | CRM | 4 |
| 353 | Strategic Human Resource Management | 4 |
| 354 | Entrepreneurship Management | 4 |
| 355 | TOM and Six Sigma | 4 |

Fourth Semester

| Paper No. | Name of the Paper | Credit |
|-----------------------------|--|--------|
| Compulsory | | |
| 401 | Project Appraisal & Risk Management | 4 |
| 402 | International Business | 4 97 |
| Specialization (Finance) | | |
| 411 | Financial Engineering & Derivative Management* | 4 |
| 412 | Tax planning & Management | 4 |
| Specialization (Marketing) | | |
| 421 | Distribution & Logistic Management | 4 |
| 422 | International Marketing & Foreign Trade | 4 |
| Specialization (HR.) | | |
| 431 | Performance Management, Training & Development | 4 |
| 432 | Labour Legislation | 4 |
| Specialization (Production) | | |
| 441 | Advanced Operation Research | 4 |
| 442 | Advanced Production Planning and Control | 4 |
| Electives (any two) | | |
| 451 | Marketing of Services | 4 |
| 452 | Insurance & Risk Management | 4 |
| 453 | Compensation Management | 4 |
| 454 | Innovation & Knowledge Management | 4 |
| 455 | Agile and Computer Integrated Manufacturing | 4 |

*This paper is offered for the students of Dept. of Math. for CBCS

Specializations offered

Finance, Production, Marketing, HR

B) Master of Business Economics (MBE) Programme

The Master of Business Economics Programme is a two year full time professional course under the Faculty of Management, Gauhati University. It is jointly administered by the Dept. of Business Administration and the Dept. of Economics, Gauhati University. As an interdisciplinary course in management, quantitative finance and economics, it is designed to meet the emerging requirements of the contemporary economy. The programme offers its students and enhanced understanding of business fundamentals augmented with applied Economics.

MBE Course Structure

Semester 1

| Paper No. | Name of the Paper | Credits |
|------------------|--|---------|
| 1.1 | Basic Micro Economics | 5 |
| 1.2 | Macro Economics | 5 |
| 1.3 | Quantitative Techniques in Economics and Business-1 | 5 |
| 1.4 | Accounting for Business Economics | 5 |
| 1.5 | Principals of Management and Organizational Behavior | 5 |
| 1.6 | Monetary Economics and the Financial System | 5 |
| Non-credit Paper | Structural Analysis and Communication | |

Semester 2

| Paper No. | First Semester | Credits |
|-----------|--|---------|
| 2.1 | Advanced Micro Economics | 5 |
| 2.2 | Financial Management | 5 |
| 2.3 | Quantitative Techniques in Economics and Business -2 | 5 |
| 2.4 | Marketing Management | 5 |
| 2.5 | MIS and Data Mining | 5 |
| 2.6 | Research Tools & Techniques in Management | 5 |

Semester 3

| Paper No. | First Semester | Credits |
|-----------|---|---------|
| 3.1a | Environmental Management | 5 |
| 3.1b | Econometrics and Business Fore-casting | 5 |
| 3.2 | International Business and Finance | 5 |
| 3.3 | Public Finance | 5 |
| 3.4 | Security Analysis and Portfolio Man-agement | 5 |
| 3.5 | Project Management | 5 |
| 3.6 | Consumer Behaviour Analysis | 5 |
| 3,7 | Summer Project | 10 |

Semester 4

| Paper No. | First Semester | Credits |
|--|---|---------|
| Compulsory Papers | | |
| 4.1 | Business Environment and Strategic Management | 5 |
| 4.2 | Business Law and Taxation | 5 |
| 4.3 | India in the Global Economic Context | 5 |
| Elective Papers | | |
| Group-I : One paper from the following | | |
| 4.4a | Development Perspective for Business Economy | 5 |
| 4.4b | Advanced Operations Research | 5 |
| Group 1- One paper from the following | | |
| 4.5a | Banking & Risk Management | 5 |
| 4.5b | Derivatives Market and Risk Management | 5 |
| 4.5e | Investment and Valuation | 5 |
| Total Credit | | 130 |

Note : * Students have to choose either 3. 1 a or 3.1 b in the third semester.

* In the fourth semester, students have to choose 1 paper from Group 1 or 2 papers from Group II.

C) 5 year MBA (Dual) B.Tech M.B.A. Int. Prog.

The Department has launched a 5 year MBA-Integrated B.Tech. programme since 2009 with the objective to ensure availability of a steady number of employable techno-management graduates. This programme provides an opportunity to selected under-graduate students of GUIST (Gauhati University Institute of Science and Technology) to pursue an additional course on Management from second year onwards with their B.Tech Programme. On completion, the students will be awarded dual degree an under graduate degree in Science & Technology (B.Tech./B.S.) and a post graduate degree in Management (MBA) within a span of 5 years.

Faculty : Teaching and Research Interests Professor

Munindra Kakati, M.M.S. (PILANI), Ph.D. (GAU)

Teaching areas : Production & Finance

Research interests : Capital markets, Neural Net & Fuzzy logic, commodity markets

Associate Professor

Monoj Kr. Chowdhury, M.A. (GAU), Ph.D. (GAU)

(Head of the Department)

Teaching areas and Research interests : Economics & Marketing, Consumer Behavior Sales and Economics of Business.

Pradeep Kr. Jain, M.B.A. (GAU), LL.B., Ph.D. (GAU)

Teaching areas and Research interests : HP and Finance:

Rinalini P Kakati, M.B.A. (GAU), Ph.D. (GAU)

Teaching areas : Marketing and Finance;

Research interests : Forecasting techniques.

Financial derivatives, New venture development;

Assistant Professor

Monoshree Mahanta, M.B.A. (GAU), Ph.D. (GAU)

Teaching areas : Quantitative Techniques, Services Marketing.

Research interests : Strategic Management.

Samir Sarkar, M.A. (GEOGRAPHY), NET, SLET, M.B.A. (Management), NET, JRF, Ph.D. (GU)

Teaching areas : Marketing & International Business

Research interests : Advt. MFIs, Performance Management CSR

Banajit Changkakati, M.B.A. (GAU), B.E. (GAU), CFA, MFA

Teaching areas : Production, Banking, Risk Management, Logistic and Supply Chain

Research interests : Organization Restructuring.

Guest Faculties

Bhargav Medhi, M.Sc. Computer Science, Ph.D. (GAU)

Kavita Jain, LL.M. (GAU)

Business Law

Dipanjon Konwar, MBA (GAU), B.E.

Organizational Behaviour, Personnel Management

Urmila Baruah, MBA (GAU)

Human Resource Management

Sunil Saikia, Ph.D.

International Business.

Employability

The Department has an excellent placement record, with its numerous alumni serving in premier organizations both within India and abroad.

Placement Profile

Our students have secured placement in organizations such as the following :

- | | |
|------------------------|-------------------------|
| ☞ ACC | ☞ ILFS |
| ☞ AIRCEL | ☞ INDIAN EXPRESS |
| ☞ AIRTEL | ☞ ITC LTD. |
| ☞ AMERICAN EXPRESS | ☞ IOCL |
| ☞ AXIS BANK | ☞ KOTAK MAHINDRA |
| ☞ BAJAJ ALLIANZ | ☞ LIC |
| ☞ BRPL | ☞ L&T |
| ☞ BRITISH GAS | ☞ NEDFI |
| ☞ BIRLASUNLIFE | ☞ NESTLE |
| ☞ CENTURIION BANK | ☞ NRL |
| ☞ CITY BANK | ☞ OIL |
| ☞ COCA COLA | ☞ ONGC |
| ☞ COLGATE PLMOLIVE | ☞ ONIDA |
| ☞ ERNST & YOUNG | ☞ RBI |
| ☞ GCMF LTD. (AMUL) | ☞ RELIANCE |
| ☞ GODREJ & BOYCE | ☞ REUTERS |
| ☞ HCL COMPUTERS | ☞ RTL |
| ☞ HDFC STANDARD LIFE | ☞ STATE BANK OF INDIA |
| ☞ HDFC BANK | ☞ SBI LIFE INSURANCE |
| ☞ HINDUSTAN LEVER LTD. | ☞ TAJ GROUP OF HOTELS |
| ☞ HPCL | ☞ TATA TEALTD. |
| ☞ HSBC | ☞ UBI |
| ☞ HTA | ☞ U B GROUP |
| ☞ HYATT HOTELS GROUP | ☞ UTI SECURITIES |
| ☞ IBM | ☞ VIDEOCON |
| ☞ ICICI BANK | ☞ WILLIAMSON MAGOR |
| ☞ ICICI LOMBARD | ☞ ZEE TV |
| ☞ ICICI PRUDENTIAL | ☞ ZYDUS CADILLA B GROUP |
| ☞ IDBIBANK | |

Clubs and Societies

The **M.B.A. Alumni Association** plays a very active role in raising the academic and corporate profile of the Department through its various activities.

Scholarships /Prizes Awarded

Two of our students have received scholarships from the BHARTI Foundation for 2008-2010. Other students have also received scholarships from Williamson Magor, IOCL, OIL, ONGC, BRPL, NEC etc.

Facilities

- Computer lab with application softwares
- Computer printing facility
- Plasma TV, LCD projector & laptop to facilitate audio-visual presentation.
- Research centre with computers and databases The Departmental Library has more than 4000 books and more than 30 national Journals.

How to Find us

The Department of Business Administration is located on the diagonally western side of the New Arts Building and in front of the Faculty House.

LAW

The Department

The centre for advanced legal studies and research in Noth-East India, the Department of Law, since its establishment in the year 1976 has contributed significantly to the growth of legal education in the region and beyond. Many alumni have received recognition in the country and abroad. With a view to coping with the emerging trends of the 21st Century, the course curriculum was revised in the year 2010 providing for a four-semester Post-Graduate Degree in Law with credit and grading system. The course will be updated shortly to incorporate the emerging socially relevant requirements.

Apart from imparting quality legal education leading to the LL.M Degree, it facilitates research scholars to conduct in-depth research on issues of contemporary relevance. Students and research scholars are provided with updated online services. Students are also exposed to regular in-house seminars and other forms of activities.

Profile

Year of Establishment : 1976

Head of the Department : Prof. Ramesh Chandra Borpatragohain

Course offered : * LL.M
* Ph.D.

Intake : LL.M. : 40

Contact : The Head
Department of Law
Tel. : 0361-2700420 (O)

E-mail : cborpatragohain@yahoo.com

Semester III

Constitutional Law
Criminal Law-I
Commercial Law-I
Corporate Law-I
Human Rights-I
International Law-I
Intellectual Property Rights
Alternative Dispute Redressal in India and Abroad
Cyber Law

Semester IV

Administrative Law
Criminal Law -II
Commercial Law-II
Corporate Law-II
Human Rights-II
International Law-II
Environmental Law
Family Law
Tribal Law

Eligibility

a) Eligibility to Apply

- Any Graduate in Law with a minimum of 50% Marks in aggregate from Gauhati University or any other University or institution recognized by Gauhati University shall be eligible to apply for admission into the Semester I of the LL.M course.
- Relaxation of 5% of marks will be given to SC, ST, OBC and MOBC candidates who are permanent residents of Assam.

b) Criteria for Selection

- Every eligible candidate shall have to appear in a written test consisting of one paper of four hours duration carrying 200 Marks on the following topics/subjects:

| | |
|-----------------------------|----------|
| Constitutional Law of India | 50 Marks |
| Jurisprudence | 50 Marks |
| Indian Penal Code | 50 Marks |
| Current Legal Problems | 50 Marks |
- Successful candidates eligible for admission into semester-I of the LL.M. course of the Department of Law will be determined on the basis of their performance in the written admission test.
Reservation of seats will be provided in accordance with Gauhati University Regulations.

Specialization Offered in LL.M.

Besides the compulsory papers offered in the first two semesters, students have to opt for specialization in one group each in the third and fourth Semesters from amongst the Groups offered by the Department. The Groups offered by the University Department include.

Course Structure

| | | | |
|---------------------------|----------|--------------|------------|
| First Semester | 5 Papers | 500 marks | 30 credits |
| Second Semester | 5 Papers | 500 marks | 30 credits |
| Third Semester | 4 Papers | 400 marks | 24 credits |
| Fourth Semester | 4 Papers | 400 marks | 24 credits |
| Dissertation + Viva Voice | | 150+50 marks | 12 credits |
| Total Marks | | 2000 | |
| Total Credits | | 120 | |

Ph.D. Programme

Details of the Ph.D. Programme offered including the course work can be obtained from the Department.

Library

The Department has a well furnished Library with sizable stock and adequate space for users. Apart from course and reference books, some precious publication and various law journals providing legal updates are available in the Department Library. It offers a congenial environment for undertaking legal research as well.

Computer Lab

The Department has a computer laboratory with adequate facility with terminals for internet use by the students and research scholars.

Conference cum Seminar Facilities

The Department has a well-furnished conference room.

Faculty

Professors

Ramesh Chandra Barpatragohain, LL.M., Ph.D.

(Head of the Department)

Subhram Rajkhowa, LL.M., Ph.D.

Associate Professors

Stuti Deka, LL.M., Ph.D.

Assistant Professors

Aparajita Baruah, LL.M.Ph.D.

Rupali Deb Barma, LL.M.

5 vacant posts are in the process of being filled up.

Guest Faculty

Smita Baruah, LL.M.

Chandamita Sarma, LL.M.

Jupitara Devi, LL.M.

Utpala Barman, LL.M.

Smita Sarma, LL.M.

Employability

Many past students are rendering services in various fields including academic institutions, administrative organizations, the judiciary and statutory Commissions, Corporations and the civil society organizations and have occupied eminent ; positions in public life and the legislature. The Department has also been able to offer facility of campus interview.

How to Find Us

The Post Graduate Department of Law is situated between the Administrative Building and the K.K. Handiqui Library.



THE UNIVERSITY LAW COLLEGE

A PROFILE

The need to promote legal education in Assam was felt for the first time in 1903 and finally, a law college was established in July, 1914. This was named Sir Archdale Earle Law College (Earle Law College, in short). The College was affiliated to Calcutta University. In 1948, when Gauhati University was established under the Gauhati University Act, 1947, the Earle Law College was taken over by Gauhati University and renamed as the 'University Law College' as the only constituent college of the University. Further, this was also the intention of the legislature when the Gauhati University Act was passed in 1947. "When the University had been established the University cannot be completed unless the Law College was amalgamated with it, Lokpriya Gopinath Bardoloi, the first Chief Minister of undivided Assam in independent India, maintained.

The College is conveniently located at Jalukbari within the Gauhati University Campus.

The College has a glorious past and can now look back with pride that it was headed by some of the distinguished legal luminaries of Assam, such as Sri J. Baruah, the pioneer of legal education in Assam, S.K. Dutta who later on became the Chief Justice and Vice-Chancellor, Dr. Jagadish Medhi, the-then Advocate General of Assam, Dr. A. Hussain, who chaired the office of the Principal for long twenty two years. They have been instrumental in bringing the college to the present stature. Many of its teachers adorned both the Bench and the Bar. The College has been successful in making adequate provision for advancement and dissemination of legal knowledge, and producing teachers and scholars to obtain national and international recognition.

Profile

| | |
|--------------------------------|---|
| Year of Establishment : | 1948 |
| Principal | : Dr. Jyoti Prasad Bora |
| Course offered | : a) LL.B. : Three years (six semesters) Course for graduate students b) B.A., LL.B. : Five years (Ten Semesters) Integrated Law Course after 10+2 c) Ph.D. in Law |
| Intake | : 120 (in two sections @ 60 students) in LL.B. Course (Subject to approval of BCI) 60 (one section) in B.A., LL.B./ B.A., LL.B Course. |
| Location | : Arts and Law Building ground floor. |
| Contact | : The Principal University Law College Tel. : 0361-2570364 (O) |
| E-mail | : drjyotiprasad@yahoo.co.in |
| Website | : http://gauhati.ac.in/faculty-of-law.php |

Admission Procedure

Applications for admission for the LL.B., B.A., LL.B, (Hons) courses are dealt with by the Office of the Principal, University Law College as per admission notification. Admission Test etc. Applications for admission is processed through Departmental Advisory Committee and finalized by the Admission Committee under the relevant provisions, of regulations, circulars, Admission Test etc. under the G.U. Act. List of successful and selected candidates is displayed on the University Law College notice board and GU website www.gauhati.ac.in

Eligibility for Admission

Three Years Law Degree Course:

An applicant who has graduated in any discipline of 'knowledge from a University established by an Act of Parliament or by a State legislature or an equivalent national institution recognized as a Deemed to be University or 'foreign University recognized as equivalent to the status of an Indian University by an authority competent to declare equivalence, may apply for a three years' degree program in-law leading to conferment of LL.B. degree on successful completion of the regular program.

Integrated Degree Program :

An applicant who has successfully completed Senior Secondary School course (+2) or equivalent (such as 11+1, 'A' level in Senior School Leaving certificate course) from a recognized University of India or outside or from a Senior Secondary Board or equivalent, constituted or recognized by the Union of by a State Government or from any equivalent institution from a foreign country recognized by the government of that country for the purpose of issue of qualifying certificate on successful completion of the course, may apply for and be admitted into the programme to obtain the 'integrated degree in law with a degree in any other subject as the first degree. Provided that applicants who have obtained +2 Higher Secondary Pass Certificate or First Degree Certificate after prosecuting studies in distance or correspondence method shall also be considered as eligible for admission in the Integrated Five Years Law Course or three years' LL.B. course, as the case may be.

Minimum Marks in Qualifying Examination for Admission

As per stipulation of the Bar Council of India the minimum percentage of marks not below 45% of the total marks in case of general category applicants and 40% of the total marks in case of SC, ST and OBC applicants, to be obtained in the qualifying examination, such as +2 Examination in case of admission into the integrated Five Year Law Course or in

Degree course in any discipline for admission into the Three Year LLB. course. Provided that such a minimum qualifying marks shall not automatically entitle a person to get admission into any college or institution but only shall entitle the person concerned to fulfill other institutional criteria notified by the college or the institution concerned or by the government concerned from time to time to apply for admission.

Age on Admission

There is no age bar for admission.

Reservation Policy

Reservation Policy of the Government in the category of Physically Handicapped and candidates having extra Curricular and co-curricular activities and who are permanent resident of Assam shall be followed while selecting the candidate. As per existing policy, 7% (seven per cent) of the total seats shall be reserved for the applicants from Scheduled Castes (SC) and 10% (ten percent) or applicants from Scheduled Tribes-Plains (ST-P), 5% (five percent) for applicants from Schedule Tribes-Hills (ST-H), 15% (fifteen percent) for Other Backward Communities (OBC & MOBC) provided that they attain a standard for admission by scoring a cut-off point of 40% in case of written admission test.

Other Reservation

A few seats may be kept reserved and offered for physically Handicapped candidates, candidates having Extra Curricular & Co-curricular activities, Fringe Village Candidates, Foreign National candidates, sons and daughters of GU University Employee in service with the permission of the Admission Committee of the University but there will be no relaxation of marks in this case.

Reservation for the other University

Seats to the extent of 20% may be allowed to the candidates of other University on merit basis like other departments of the University. This shall be inclusive of both general and reserved category.

Library

The University Law College library is a prime source for legal research for both the faculties as well as the students. The library with adequate reading room facility offers fully integrated, dynamic environment for conducting legal, and law-related research. Housed in the southern corner of the Colleges RCC building, the library provides the optimum study environment wherein students can conduct their research and study in solitude and comfort. A student can borrow 2 books at a time as per Borrowers Card system. The Lending System for teachers is slip book system. In addition to the College Library, the students are also entitled to use the University Library which is named as K.K.H. Library and the Library of Post Graduate Department of Law as per terms and conditions as laid down by the University from time to time.

Identity Card

A non-transferable Identity Card will be issued to each student after the admission by the Director of Students' Welfare, GU on production of the admission receipt. Hostel Identity Card

is issued to the Boarder by the Secretary, University Classes, GU, on production of admission receipt into the Hostel.

Scholarship:

Scholarship offered by the State/Central Government are State Merit/ST/SC/OBC/MOBC /Physically Handicapped.The University also offers financial assistance to poor and meritorious students out of the Poor Students Aid Fund subject to availability of fund.

Hostel Accomodation

There are limited number of hostel seats, both for boys and girls.

Faculty

The University Law College is a home to diverse law faculty. Research accomplishment and the specialisation of its Faculty members offer an array of courses which cover every major substantive area of legal study. Lectures, case studies, moot courts and dissertation writing, projects works are some of the teaching methodologies adopted at the college.

Beyond the classroom, most of its faculty members are at the cutting edge of legal scholarship. They enrich their scholarship, as well as teaching, by engaging in varied real-world activities, often acting as resource person, assisting in developing legal education or other commentary on emerging legal and policy issues.

Faculty Members

Principal

J. P. Bora, B.Sc (Dist), LL.M.(Pune), Ph.D.(GU)
Labour Laws, Jurisprudence & IPR

Associate Professors [Re-engagement]

P. C. Mazumdar, M.A., LL.M., Ph.D (GU)

Criminal Law, Drafting & Contract

B. K. Baishya, M.A. ,LL.M, Ph.D. (GU)

Constitution & Environmental Law

D. Mukherjee, B.Sc.(H), LL.M, Ph.D. (GU)

Constitution, Labour Law & Jurisprudence

Assistant Professors

M Rahman, M.A., LL.M., Ph.D (GU)

Environment & Personal law

Rupa Hazarika, B.A., LL.M. (GU), NET-JRF

Constitution & Administrative Law

Part-Time Faculty

R.B. Borgohain, M.A., LL.M., Ph.D.(GU)

Constitutional Law

P. Choudhury, M.A,LL.M.(GU)

Right to Information

Asstt. Professor (Contractual / Consolidated)

Kavita Jain, B.A. ,LL.M.(GU)

Taxation Law & Human Rights

Geetanjali Debi, B.A.(H), LL.M.(GU), Ph.D.

Criminal Law & Human Rights

Rajib Bhattacharyya, BA, LL.M., DEM, DHR, CCL,
PGDBO(BVU), *Business Law & IPR*

Mridusmita Sarma, MA(Pol.Sc.), LL.M.(GU)
Constitution & Company Law

Dipankar Das, MA(Pol.Sc), LL.M., (GU), UGC NET(Law)
Constitutional Law, Administrative Law

Sikha Barman, LL.M. (Delhi University), UGC-NET(Law)
Criminal Law

Guest Faculty

Maya Bora, B.A., LL.M. (GU)
Matrimonial Law

Dhiraj Bhusan Sarmah, B.A.(Hons),LL.M.(GU)
Constitutional Law & Administrative Law

Kakumoni Katakya, B.A., LL.M (IPR), (Goa University)

Assistant Professors (Contractual / Consolidated)

Non-Law

Champak Goswami, M.A.(Eng), M.Phil.

Gender & class oppression

Parimita Bhuyan, M.A. (Pol. Sc.), UGC-NET(Pol.Sc)
Gender, Development Studies

Faculty cum Computer Laboratory In charge

Rishi Bhagwati, B.E. (IT)
Computer application & Information Technology

Guest Faculty

Mousumi Dutta, M.A., (History) (GU), B.Ed., M.Phil.
Priyanka Sarmah, B.A. (Hons), M.A. (Sociology) (GU)

Students' Union: (ULCSU)

University Law College Students' Union is run by students to represent students both within the institution and externally, including on local and on national issues. The purpose of the College Students' Union is to promote mental, physical, cultural and social advancement of students in general apart from other co-curricular and organizational activities, representation and academic support to the college authorities.



A Cultural Performance of G.U. Students

COMPLAINT COMMITTEE AGAINST SEXUAL HARASSMENT AT WORKPLACE

GAUHATI UNIVERSITY

The first Cell against Sexual Harassment at Workplace in Gauhati University was constituted in 1998 in response to the circular issued by the University Grants Commission (UGC) in that year, with regard to the Supreme Court Judgment -better known as Vishaka Judgement declared in 1997. Thereafter it was made a permanent committee.

The Committee plays a pro active role to prevent sexual harassment within the university premises and in the event of any such incident, deals with the same as per procedure. While in the earlier cases, the Vishaka Guidelines guided the Committee, from now on, Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013 will be adhered to.

Defining Sexual Harassment

As per the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013 "sexual harassment" includes any one or more of the following unwelcome acts or behaviour (whether directly or by implication) namely:—

- (i) physical contact and advances; or
- (ii) a demand or request for sexual favours; or
- (iii) making sexually coloured remarks; or
- (iv) showing pornography; or
- (v) any other unwelcome physical, verbal or non-verbal conduct of sexual nature.

The following circumstances, among other circumstances, if it occurs or is present in relation to or connected with any act or behaviour of sexual harassment may amount to sexual harassment :-

- (i) implied or explicit promise of preferential treatment in her employment; or
- (ii) implied or explicit threat of detrimental treatment in her employment; or
- (iii) implied or explicit threat about her present or future employment status; or
- (iv) interference with her work or creating an intimidating or offensive or hostile work environment for her; or
- (v) humiliating treatment likely to affect her health or safety.

Procedure for lodging complaints

A complaint of discrimination or sexual harassment may be lodged by the aggrieved woman or a third party. Complaints should be given in writing, with supporting documents, if any, addressed to the Convener, Complaint Committee. The complaint can be handed over to any member of the Committee, who may forward it to the Convener of the Complaint Committee.

The Members of Committee for the current year (2016-2017) (With Contact nos. and e-mail IDs):

1. **Prof. Archana Sharma**, Department of Economics
Chairperson and Convener Contact no. 98640-66226
e-mail: archasharma@gmail.com
2. **Prof. B.P. Duarah**, Department of Geological Sciences
President, Gauhati University Teachers' Association Ex-officio Member.
Contact no. 98643-24036
3. **Mr. Arabinda Sarma**, Gauhati University Hospital
President. Gauhati University Officers' Association Ex-officio Member, Contact no. 94350-11229
4. **Prof. M. P. Bora**
Academic Registrar, I/C and President, Gauhati University Research Scholars' Association
Contact no. 98540-63419
e-mail: academicregistrargu@gmail.com
5. **Ms. Dipika Choudhury**, K.K.H. Library, Member
Contact no. 9435420013
e-mail: choudhurydipika@gmail.com
6. **Secretary, Girls' Common Room**, PGSU, Ex-officio Member
7. **Prof. Lutfun Rasul Saikia**, Department of Education
Member
Contact no. 98642-72596
e-mail: lutfun_rasul@yahoo.co.in
8. **Dr. Swarnaprabha Chainary**, Department of Boro,
Member
Contact no. 94351 -44323
e-mail: spchainary72@rediffmail.com
9. **Prof. Pranayee Dutta**, Department of ECT, Member
Contact no. 99547-39170, pranayee.datta@gmail.com
10. **President**, Nari Nirjatan Virodhi Mancha, Asom, NGO
Representative
Contact no. 94350-12679
11. **General Secretary**, Law College Students' Union,
Ex-officio Member
12. **Dr. Ms. Shakuntala Bora**, Department of Philosophy,
Member
Contact no. 99540-65796,
e-mail : shakuntalabora@yahoo.com

13. Dr. Suresh Kr.Nath, Registrar, Registrar's Office
Administrative Building
Registrar.Gauhati University, Ex-officio Member
Contact no. 88760-38485, e-mail : registrar@gauhati.
ac.in

14. Dr. Hemanta Kr. Nath, Secretary, U/Classes,
Office of the Secretary, Univ Classes Arts Building

Secretary, University Classes, Ex-officio Member
Contact no. 9435654820
e-mail: hkumarnath@yahoo.co.in

15. Dipak Talukdar, Law Officer, GU, Administrative
Building Ex-officio Member
Contact no. 98641-55442

Residence, Health and Discipline Board

There is a Residence, Health and Discipline Board which suggest disciplinary actions for any kind of deviation from the set code of conduct by the students in the University. On approval from the Vice-Chancellor, it is strictly executed. The Secretary, University Classes is the Ex-Officio Convener of the Board.

POST GRADUATE STUDENTS' UNION

Gauhati University

The Post Graduate Students' Union, Gauhati University was established in 1949 with the objective of promoting mental, moral, physical, cultural and social advancement of the students.

As per its constitution the union seeks to train students in intelligent citizenship, corporate life, leadership and discipline. It also seeks to foster a spirit of friendship, mutual cooperation, harmony, tolerance and sacrifice and also to foster scholarship, statesmanship, sportsmanship and chivalry among the students. Further it also upholds the need cultivate the spirit of social service and teach the dignity of manual labour among students besides other lofty objectives.

All students of the Post Graduate classes of the University are members of the Union. Members of the Post Graduate teaching staff are regarded as fraternal members of the Union.

Elections to the fifteen (15) offices of the union are usually held within 60 days of new admission every year.

Contacts :

President

Sri Manab Jyoti Kalita

Vice President

Sri Kaushik Jyoti Nath

General Secretary:

Sri Pinak Kaushik Borah

INSTITUTE OF DISTANCE AND OPEN LEARNING



The Institute

The Gauhati University Institute of Distance and Open Learning (GUIDOL), formerly known as Post Graduate Correspondence School (PGCS) was established in May 1998 with the objective to ensure the opportunity to pursue quality higher education to the large number of students who could not pursue higher education through conventional mode of education. GUIDOL strives to accommodate the students who cannot enroll in the conventional system of higher education due to various factors like limited number of seats in Post Graduate classes, livelihood compulsion etc. and aims to impart quality education in an intellectually challenging learning environment.

The Gauhati University Institute of Distance and Open Learning completed 18 years of successful existence and aims to continue the mission of spreading and providing quality education to the learners. Starting with 514 students and 6 courses in May 1998, IDOL now witnesses its growth in all capacities with an enrollment of more than sixty thousand learners and 29 programmes in a learning environment equipped with latest technologies. GUIDOL is the only institution in the country to offer Post Graduate courses in four 8th Schedule languages viz Assamese, Bengali, Nepali and Bodo. Apart from self-learning materials and counseling services, IDOL aims to maximize learning opportunities and the first E-learning portal of the North-East, www.bodhidroom.idolgu.org, developed by GUIDOL and Radio Luit, the Community Radio Center are latest modes in learner support services. With the commitment to ensure quality education to the masses, IDOL has also launched undergraduate programmes from the academic session 2011-12 onwards and the journey from 'correspondence school' to 'open and distance learning' is not only a leap in quantity but also in quality.

PROFILE

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Prof. Pranab Jyoti Das

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Assistant Librarian
Gautam Sarma, M.L.I.Sc., Ph.D.

Help Desk
0361-2673728, 2679911
Fax: 0361-2573887

Toll Free Number
1800-345-3614

Website
www.idolgu.in

E-Learning Portal
www.bodhidroom.idolgu.in

Office Address
Institute of Distance and
Open Learning
Gauhati University,
Guwahati-14



Programmes currently offered by GUIDOL Post Graduate Degree Programmes

1. Assamese
2. Bengali
3. Bodo
4. Nepali
5. English
6. History
7. Philosophy
8. Political Science
9. Economics
10. Education
11. Mathematics
12. Commerce
13. Mass Communication and Journalism
14. M.Sc(IT)
15. Masters in Computer Applications (MCA)

Post Graduate Diploma Programmes

1. Sales and Marketing Management (PGDSMM)
2. Business Management (PGDBM)
3. Human Resource Management (PGDHRM)
4. Finance Management (PGDFM)
5. Banking and Financial Services (PGDBFS)
6. Journalism and Mass Communication (PGDJMC)
7. Computer Application (PGDCA)

Undergraduate Programmes

1. BCA
2. B.Sc IT
3. B.A. (General)
4. B.Com (General)

Certificate Courses

1. Certificate in Computer Applications (CCA)
2. Certificate in Community Radio Technology (CCRT)

Diploma Programmes

1. Diploma in ELT with ICT Skills for teaching English at the Upper Primary Level (DELT)

Resources

GUIDOL has its own Library, which consists of over 7000 books for the existing departments. Study materials are provided to all the learners under GUIDOL. Learners belonging to the reserved categories can avail scholarship facilities. All the programmes at GUIDOL follow a flexible pattern of Admission Policy. Its programmes are open to any graduate without any restriction of marks, age etc.

E-Learning Portal

GUIDOL developed and launched its E-Learning portal www.bodhidroom.idolgu.org, the first e-learning portal of North-East region. Through this portal learners are able to view and download Self Learning Materials (SLM) and other learning resources. Provision of Self Assessment Test is another feature of this portal. The portal serves as a medium for interaction between the learners and teachers both online and offline.



Earn your second degree while at GU

Students registered in the regular Gauhati University classes are eligible to pursue any diploma programme from GUIDOL simultaneously.

| Courses | Duration | Fees |
|---|--|---|
| M.A. in Assamese, Bengali, Bodo, Nepali Political Science, English, History, Philosophy, Education M.A./M.Sc. in Economics, Mathematics M.Com | 2 years/ 4 semesters | Rs. 12,000/- or two equal installments of Rs. 6000/- each |
| Master of Communication & Journalism | 2years/4 semesters | Rs. 12,000/- or two equal installments of Rs. 6000/- each |
| M.Sc. IT | 2 years/4 semesters | Rs. 11, 500/- per semester |
| MCA | 3 years/6 semesters | Rs. 10,000 for 1 st and 2 nd semester Rs.11,500 for 3 rd , 4 th , 5 th and 6 th semester |
| PG Diploma in Sales & Marketing Management PG Diploma in Human Resource Management PG Diploma in Business Management PG Diploma in Finance Management PG Diploma in Banking & Financial Services PG Diploma in Journalism & Mass Communication | 1 year/ 2 semesters | Rs. 6000/- |
| PG Diploma in Computer Applications | 1 year/2 semesters | Rs. 6000/- per semester |
| Diploma in ELT with ICT Skills for teaching English at the Upper Primary Level | 1 year/2 semesters | Rs. 6000/- |
| Certificate in Computer Applications Certificate in Community Radio Technology | 6 months/1 semester 6 months/1 semester | Rs. 2400/- Rs. 3000/- |
| BCA | 3 years/ 6 semesters | Rs. 8000/- per semester |
| B.Sc IT | 3 years/ 6 semesters | Rs.8000/- per semester |
| BA (General) | 3 years | Rs. 2000/- per semester |
| B.Com (General) | 3 years | Rs. 2500/- per semester |

RADIO LUIT 90.8 FM

জ্ঞানৰ দীপালীৰে জিলিকাৰ্ণ লুইতৰে পাব.....

ৰেডিঅ' লুইত

RADIO LUIT

COMMUNITY RADIO SERVICE

GAUHATI UNIVERSITY

কৃষ্ণচূড়াৰ দেশত তোমাক স্বাগতম

আপোন কৰ্ত আশেদে ডিৱাক মুক্ত কৰিব সুন্দৰ অৱকাশ।

90.8 FM

"তুমি বৈ আহা কিয়? কপিলীপৰীয়া বতায় মিটকপুৰীয়া টিটিটি নে? ধৰোঁৱৰ মেঘনে কি লৈ আহিছ? গৌ বৈ হৰণ্য ন কাৰী লৈ আহিছ?"

"তুল তুল্যৰ মন্তৱ কৰীকৃত হ'বলৈ লুইতৰ সুবত কৰ্ত নিদৰাৱলৈ তোমালৈ আকুল আহান... অহা! বৈ আহা কিয়..."

এতিয়াৰে পৰা আপোনাৰে নিজৰ বেডিঅ'.....

আমাৰ ডিকনাঃ

বেডিঅ' লুইত ৯০.৮ এফ. এম.

আইডল বিল্ডিং, গুৱাহাটী বিশ্ববিদ্যালয়

90.8 FM

RADIO LUIT, the Community Radio Station of Gauhati University has been set up and stationed at the Institute of Distance and Open Learning, Gauhati University. The station was launched on 1st March, 2011 and operates at 90.8 FM daily from 8AM to 8PM. In the year 2010, Gauhati University obtained the license and frequency 90.8 FM from the Ministry of Information and Broadcasting, Government of India for the establishment of the Community Radio Station in its campus.

RADIO LUIT is the first Campus Radio in the entire North East India. Community Radio is the third model of Radio broadcasting beyond commercial and All India Radio. It broadcasts content which is popular and relevant to a local/specific audience but often overlooked by commercial or All India Radio.

RADIO LUIT is not for profit and endeavors to provide a mechanism for facilitating students, teachers, non-teaching staff, their family members and the members of the community hailing from the surrounding areas to tell their own diverse stories, to share experiences in a media rich world and to become active creators and contributors of media.

Presently, the Station is manned by one Programme Executive and a group of casual announcers/anchors-volunteers drawn from the students of IDOL, departments of Journalism & Mass Communication and other academic departments of the University. The Radio station covers an area of approximately 15 km radius around Gauhati University.

After concluding a capacity building workshop and baseline survey, Radio Luit has started a one year project from March 1, 2016 on 'Science for Women's health and nutrition'. This project is catalyzed by the NCSTC, DST, Government of India. Radio Luit has named it 'Baandhobi'. Baandhobi goes on air three times a day with fresh episodes. With full participation of women, Baandhobi has shown the participants a path of confidence and joy of work with creativity. A long year project Baandhobi has now become a very good platform for women of all age groups to expose their talent.

The following features will serve to give an idea of the range of features covered by the programmes of the community radio station :

- MUKOLI SORA (Phone-in-live programme)
- BAANDHOBHI (A project on science for women health and nutrition)
- BIKHYON (Interactive discussion programme with Community members and Students)
- BORONIYA (Interaction and Performance by various clubs, hostels, schools, colleges, societies etc.)
- ANATAAR PATHDAAN (Classroom in Studio)
- BYAKTITWA (Interview with eminent personalities from the Community and the State)
- MALINI (Programme by and for Women)
- KAKOLI (Programme by and for Children)
- SHARIRAM ADYAM (Health issues)
- BIDHAAN SAMIDHAAN (Legal literacy)
- AALAP (Interaction with people of different genres)
- SANGSTHAPAN (Career counselling)
- LUIT SAMBAAD (News and information of Gauhati University and its surrounding areas)
- GAAWE BHUYE (Voice from the surrounding villages)
- JUTIR EXHAJ (Food culture)
- DRAMA
- SOBI KATHA (Film studies)
- XETU (Book introduction)
- QUIZZERIA (Quiz programme)
- AMAR KATHA (Voice of community)
- AMAR GHAR (Story from Households)
- SONALI GEETAR AARE AARE (The behind story of some music and songs)
- GEETALI (Tailem of classical music)
- FEATURES





CONTACT OF STUDIO

Phone No: 8811092674
 E-mail: radioluit@gmail.com
 Facebook Link: <http://www.facebook.com/radioluit90.8>

POSTAL ADDRESS

Radio Luit 90.8 FM
 GUIDOL Building
 Gauhati University
 Gopinath Bardoloi Nagar
 Jalukbari, Kamrup (M)
 Guwahati-781014
 Assam

For details about RADIO LUIT, students may contact with the following persons:

1. Prof. Pranab Jyoti Das
 Station Director
 Radio Luit 90.8 FM
 E-mail: pranabjdas52@gmail.com
2. Sri Bhaskar Jyoti Acharjya
 Programme Executive
 Radio Luit 90.8 FM
 E-mail: vaskodeacharya@gmail.com

GAUHATI UNIVERSITY INSTITUTE OF NORTH EAST INDIA STUDIES (GUINEIS)

About GUINEIS:

Gauhati University Institute of North-East India Studies (GUINEIS) came into existence on 01 February 2010. The institute is mandated to facilitate, support and promote inter-disciplinary discourse and research on issues related to the land, nature and people of Northeast India and to disseminate the output for the benefit of all stakeholders including policy makers. Besides the regular teaching and research programs, the institute currently carries out its academic activities through an annual seminar/symposium, lecture series, hosting of scholars for furthering research and publication of its annual journal. The institute plans to use its space in the university website for wider outreach of its dissemination activity.

The institute is housed in a building named after the eminent historian and lifelong dedicated academic Professor Herambakanta Barpujari. The classrooms, the library and the lecture hall of the institute are now being upgraded and expanded. The institute is also in the process of setting up its internet-connected computer laboratory. The institute also has a Digital Archive equipped with audio-visual recording facility in its premise. Primarily meant for documenting and conserving the rich cultural heritages of the region, the facility is utilized by other departments of the university for relevant academic purposes.

Teaching Programmes :

1. One year Post Graduate Diploma in Creative Writing and Translation (PGDCWT). Intake capacity: 20, Eligibility: Graduate in any discipline
2. Inter and Multi-Disciplinary M. Phil in Northeast Studies (to commence from the academic session 2017-18). Intake capacity : 15, Eligibility: Post Graduate in any discipline

Director i/c : Dr. M. P. Bezbaruah, Professor of Economics, Gauhati University

Faculty :

Professor :

M. P. Bezbaruah, M.A. in Economics (Delhi), Ph.D. (GAU)
Econometrics, Microeconomics, Environment Economics, Agricultural Economics

Assistant Professor (Additional Charge) :

P. S. Bashishtha, M.A. in English (BHU), M.A. in Assamese (GAU), Ph.D. (GAU)
Western Literature, Critical Theory, Postcolonial Drama, Modern Assamese Literature, Translation

Research Officer :

Rumi Choudhury, M.A. in Assamese (GAU), M.Phil (GAU), Ph.D. (GAU), B.Ed (GAU)
Advanced Post Graduate Diploma in Translation Studies (Lucknow, MGAHV) Assamese Language and Culture, Translation

Guest Teacher :

Debasis Bezbaruah, M.A. in English (GAU), M.A. in Mass Com. (GAU)
Media and Culture, Mass Media, Folk Media, Audio-Visual Production

Contact :

Postal Address: Gauhati University Institute of North East India Studies (GUINEIS)
Herambakanta Barpujari Bhawan
Gauhati University Guwahati- 781014

Email : guineis@gauhati.ac.in

Website : <http://gauhati.ac.in/guineis.php>

ACADEMIC SERVICES

K.K.Handiqui Library

Librarian:

Wooma Sankar Dev Nath

Contact:

094350-42508 (M)

0361-2570529

Email: kkhlg@gmail.com, wsdnath@gauhati.ac.in

Website : <http://gauhati.ac.in/library.php>



The Gauhati University Library started functioning since 1948. It was renamed as K.K. Handiqui Library in the memory of the renowned scholar, orientalist and first Vice Chancellor of the Gauhati University, Late Prof. Krishna Kanta Handiqui in 1982. The library caters to the needs of about 8,000 readers consisting of teachers, officers, research scholars, M. Phil, students, P. G. students, and employees including those from neighboring States.

Its total collection of reading materials, which includes text books, reference books, general books, rare books, back volumes of journals, manuscripts, reports, special collections, theses and dissertations amounts to more than 3,00,000 titles.

Library timings:

The library functions in the Open Access System, under which students are able to have direct access to books in the shelves.

The working hours of the library are as follows:

| | |
|---------|---|
| Summer | : 10 A.M. to 8 P.M. on all working days |
| Winter | : 10 A.M. to 7 P.M. on all working days |
| Sundays | : 11 A.M. to 4 P.M. |

Facilities:

As a participating university, the K.K. Handiqui Library has been able to give its users access to nearly 9000+ e-journals on-line with full texts through UGC-Infonet programme and some other e-journals with abstracts on the internet. Besides, more than 4000 e-journals from different publishers, viz. Manupatra for Law. J-Gate Basic Science, J-Gate Social and Management Sciences and J-Gate Engineering and technology have also been subscribed.

Moreover, Scopus, the largest Indexing and Abstracting database of scholarly contents, has also been subscribed for facilitating research activities of different disciplines. "Shodhganga" another service under open access initiatives of INFLIBNET, is also available on-line and can be accessed full text from anywhere in the net where full text of uploaded Theses can be accessed.

In addition, emailing and internet browsing facilities are also available for post graduate students, research scholar and faculty members. Housekeeping operations viz. cataloguing, circulation of books, acquisition and serial controls are automated and one can access the catalogue on-line from the departments through OPAC (On-line Public Access Catalogue) which is the heavily used database of the library holdings. Other facilities available in the Library include photocopying and inter-library loan services through JCCC (J-Gate Custom Content for Consortium).

The Manuscript Collection:

The collection of about 5000 manuscripts written on Sanchipat, Tulapat, Palm leave and Paper is a pride of the K.K. Handiqui Library. The collection includes manuscripts written in Early Assamese, Sanskrit (Kaitheli and Bamuniya scripts), Bengali, Nepali and Tai Burmese languages. The library has been designated as a Manuscript resource Centre and a Manuscript Conservation Centre by the National Mission for Manuscripts, Department of Culture, Government of India.

The K.K.Handiqui Collection:

The personal collection of Prof. Handiqui consisting of 7593 volumes of books generously donated by him to Gauhati University is another precious and priceless possession of the Library. The collection includes books on 11 (eleven) different languages like English, French, German, Greek, Italian, Latin, Pali, Prakrit, Russian, Sanskrit and Spanish.

Orientation Session for Students

The students of the first semester classes admitted to the different Post Graduate courses of the University are given an orientation at the beginning of the session every year on the various facilities available at the library so that they can make the best use of the resources it has to offer. The schedule of the Orientation Sessions is generally intimated to the Academic Departments shortly after the commencement of the first semester classes.

WELFARE SERVICES

The Directorate of Students' Welfare

Director
Dr. Ranjan Kr. Kakati

Contact
(0361)2570852
+91-9435710670 (M)
E-mail: dswgauhatiuniversity@gmail.com

Location

Opposite side of IDOL, GU and near GU Sports Complex. The office of the Director of Students' Welfare deals with the Organisation of Sports and extra curricular activities beside providing other facilities for the students.

The office provides facility for playing various games & sports e.g. Football, Volleyball, Cricket, Badminton, Table Tennis, Hockey, Kabbadi, Basket Ball, Carrom etc.

Some of the aims and objectives of the Office of the DSW are:

- To organize and manage Inter College and Inter University Festivals, Sports and Games.
- To organize courses of training in Games, Sports and Festivals.
- To organize workshop, conferences in Music, Cultural and other co-curricular activities.
- To award at its discretion Trophies, Mememots, Cups, Certificates or any other award on the result of the different tournaments and competitions.
- To take necessary steps to encourage all sporting, athletic, physical, intellectual and cultural activities among students at the University and the affiliating colleges.

All sports goods are made available to the Hostels every year by this office. The common rooms for Boys and Girls are also supplied with sports materials.

Identity Cards to all bonafide students of this University are issued by the Director of Students' Welfare. Railway and Air concession to bonafide students are also issued by this office.

University Health Service

Chief Medical Officer Dr. N. N. Talukdar

Contact
361-2571137

The University maintains a residential Hospital at the University Campus with a view to rendering necessary medical assistance to the students, teachers, employees and their dependents. The GU Hospital is situated in the southern side of Main Road opposite of GU Market round the clock. One Ambulance Van is also maintained to meet the emergency situation at G.U. Hospital.

Career Counselling and Guidance Centre

In-charge
Prof. Jyotiprakash Tamuli

Student Counsellor
Mr. Rajiv Deka

Available for meeting students:

9.00 am to 12.00 noon
(Mondays & Wednesdays)
1.00 pm to 4.00 pm
(Fridays)

Location

Ground floor of the building located to the west of the Arts building

The thought of landing a job of one's own choice after completing the course of study is likely to go through the mind of the typical Post Graduate student. In this regard the Centre offers suggestions on career options that are likely to be more in line with the student's background interest and aptitude.

It has been observed that students are often unaware of the means through which they might go about finding the relevant information. The Student Counsellor of the Centre, Mr. Deka, an experienced Career Counsellor, offers advice to interested students on both career openings as well as on how to collect more information on this by referring to sources that include both printed information as well as internet - based resources.

Students are also offered advice and tips on how to prepare a Curriculum Vitae (CV) for oneself and on the nature of information that potential employers are likely to look for in such a document.

Placement Cell

Placement Officer i/c
Dr. Kandarpa Kumar Sarma
Department of Electronics Science

Contact
0361-2671262 (Department of Electronics, G.U.)
e-mail: placementgu@gauhati.ac.in

Webpage

<http://www.gauhati.ac.in/home/studentsupport/index.htm>

Aims of the Placement cell

Since its establishment in November 2006, the Placement Cell has been guided by the following objectives :

- to provide placement services to all students inside the university campus
- to act as the nodal body to extend its services to other institutions and to the educated youth of the state.
- to promote placement activities in the state and the Northeastern region as an institutional member of the North East Professional Institute Forum (NEPIF).

OFFICES : LOCATION AND FUNCTION

1. Office of the Secretary, University Classes

Location : Arts Building, Ground Floor Annexe

Functions : Class admission, Hostel admission and any other matters relating to hostels, Renewal of admission at the start of a new academic year/ semester, Examination forms, Migration from another university, Course Completion Certificate.

2. Office of the Director, Students Welfare

Location : Near Gymnasium Hall, GU

Functions : Identity Card, Railway Concession, Sport and other Extra-Curricular Activities, Use of the Auditorium for any student activity like staging a play, having a debate or quiz competition.

3. Cash Counter

Location : Left of VC's Office

Functions : All payments -fees, hostel dues, purchase of books from the GU Publication Department, are to be made at the cash counter.

4. Office of the Controller of Examinations

Location-1 : Administrative Block, First Floor.

Functions : All examination related matters including queries regarding dates, publication of results, anomalies in admit cards and mark sheets, errors in printing of names.

Location-2 : New Building near Gauhati University Press

Functions : For B.A., B.Sc. and B.Com. Examinations.

5. Certificate Branch

Location : Administrative Block, Ground Floor

Functions : Application forms for Certificates of all University Examinations and Disbursal of all certificates.

6. Hospital

Location : On Your Left as you approach the University.

Functions : First Aid, Hospitalization for minor ailments, Doctors on call round the clock, Ambulance Service.

7. K. K. Handiqui Library

Location : On your Right after you cross Administrative Block

Functions : Library Card, Library Orientation, Photocopy facilities, Internet for Access to Jstor, Project Muse and other collections of online journals, Reading Room.