

# AEROSPACE ENGINEERING (B.Tech.)

## *COURSE CURRICULUM FOR THE NEW PROGRAMME (B.Tech) w.e.f. 2007 BATCH*

<b>Semester I</b>						<b>Semester – II</b>					
<b>Course code</b>	<b>Course Name</b>	<b>Credit Structure</b>				<b>Course Code</b>	<b>Course Name</b>	<b>Credit Structure</b>			
		<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>			<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
CH 103+	Chemistry	<b>2</b>	<b>1</b>	<b>0</b>	<b>6</b>	MA 106 And MA 108	Linear Algebra and Ordinary Differential Equations I	<b>3</b>	<b>1</b>	<b>0</b>	<b>8</b>
CS 101	Computer Programming	<b>2</b>	<b>0</b>	<b>2</b>	<b>6</b>	CH 103+	Chemistry	<b>2</b>	<b>1</b>	<b>0</b>	<b>6</b>
HS 101	Economics	<b>3</b>	<b>0</b>	<b>0</b>	<b>6</b>	PH 103*	Electricity and Magnetism	<b>3</b>	<b>0</b>	<b>0</b>	<b>6</b>
MA 105	Calculus	<b>3</b>	<b>1</b>	<b>0</b>	<b>8</b>	PH 105*	Modern Physics	<b>2</b>	<b>1</b>	<b>0</b>	<b>6</b>
PH 103*	Electricity and Magnetism	<b>2</b>	<b>1</b>	<b>0</b>	<b>6</b>	AE 152	Introduction to Aerospace Engg	<b>3</b>	<b>0</b>	<b>2</b>	<b>8</b>
PH 105*	Modern Physics	<b>2</b>	<b>1</b>	<b>0</b>	<b>6</b>	IC 102	Data Analysis and Interpretations	<b>2</b>	<b>1</b>	<b>0</b>	<b>6</b>
CH 117+	Chemistry Lab	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	CH 117*	Chemistry Lab.	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>
ME 113*	Workshop Practice	<b>0</b>	<b>1</b>	<b>3</b>	<b>5</b>	ME 113+	Workshop Practice	<b>0</b>	<b>1</b>	<b>3</b>	<b>5</b>
ME 119*	Engineering Graphics and Drawing	<b>1</b>	<b>0</b>	<b>3</b>	<b>5</b>	ME 119+	Engineering Graphics and Drawing	<b>0</b>	<b>1</b>	<b>3</b>	<b>5</b>
PH 117+	Physics Lab	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	PH 117*	Physics Lab.	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>
NC 101#	National Cadet Corps (NCC)	<b>0</b>	<b>0</b>	<b>0</b>	<b>P/NP</b>	NC 102#	National Cadet Corps (NCC)	<b>0</b>	<b>0</b>	<b>0</b>	<b>P/NP</b>
NO 101#	National Sports Organization (NSO)	<b>0</b>	<b>0</b>	<b>0</b>	<b>P/NP</b>	NO 102#	National Sports Organization (NSO)	<b>0</b>	<b>0</b>	<b>0</b>	<b>P/NP</b>
NS 101#	National Service Scheme (NSS)	<b>0</b>	<b>0</b>	<b>0</b>	<b>P/NP</b>	NS 102#	National Service Scheme (NSS)	<b>0</b>	<b>0</b>	<b>0</b>	<b>P/NP</b>
* Any one of these two courses and any one of these Lab courses only for <b>D3 D4</b> + Only for <b>D1 D2</b> # Any one of these three P/NP courses						* Any one of these two courses and any one of these Lab courses only for <b>D1 D2</b> + Only for <b>D3 D4</b> # Any one of these three P/NP courses					

**AEROSPACE ENGINEERING**

***COURSE CURRICULUM FOR THE NEW PROGRAMME (B.Tech) w.e.f. 2007 BATCH***

<b>Semester III</b>						<b>Semester – IV</b>					
<b>Course code</b>	<b>Course Name</b>	<b>Credit Structure</b>				<b>Course Code</b>	<b>Course Name</b>	<b>Credit Structure</b>			
		<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>			<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
MA 207	Differential Equations II	3	1	0	4	MA 214	Introduction to Numerical Analysis	3	1	0	8
EE 101	Introduction to Electrical and Electronics Circuits	3	1	0	8	AE 214	Thermodynamics	2	1	0	6
AE 207	Introduction to Engineering Design	2	0	2	6	AE 216	Fluid Mechanics	3	1	0	8
AE 209	Solid Mechanics	3	1	0	8	AE 220	Aerospace Structural Mechanics	3	1	0	8
IC 211	Experimentation and Measurement Laboratory	0	0.5	3	4	AE 230	Modeling and Simulation Laboratory	1.5	0	2	5
AE 215	Aerospace Measurements Laboratory	1	0	2	4						
	Total	12	3.5	7	34		Total	12.5	4	2	35
<b>COURSE FOR HONOURS REQUIREMENT</b>						<b>COURSE FOR HONOURS REQUIREMENT</b>					
AE 219	Supervised Learning				6	AE 219	Supervised Learning / Honors Elective				6
<b>COURSES FOR MINOR REQUIREMENT</b>						<b>COURSES FOR MINOR REQUIREMENT</b>					
AE 209	Solid Mechanics	3	1	0	8	AE 214	Thermodynamics	2	1	0	6
						AE 216	Fluid Mechanics	3	1	0	8
						AE 152	Introduction to Aerospace Engg.	3	0	2	8







