



ADAMAS UNIVERSITY
SCHOOL OF ENGINEERING & TECHNOLOGY
M.Tech in Structural Engineering

SEMESTER I								
Sl. No.	Type	Course Code	Title of the Course	L	T	P	Contact Hours/Week	Credits
1	Theory	SMA61101	Advanced Engineering Mathematics	3	1	0	4	4
2	Theory	MBA61101	Industrial Management	3	0	0	3	3
3	Theory	ECE61111	Advanced Structural Analysis	3	0	0	3	3
4	Theory	ECE61113	Soil Structure Interaction	3	0	0	3	3
5	Theory		Elective – I	3	1	0	4	4
6	Practical	ECE61201	Structural Laboratory I	0	0	3	3	2
7	Practical	ECE61203	CAD LAB	0	0	3	3	2
8	Sessional	ECE61301	Seminar - I	0	2	0	2	1
			Total	15	4	6	25	22
SEMESTER II								
Sl. No.	Type	Course Code	Title of the Course	L	T	P	Contact Hours/Week	Credits
1	Theory	ECE61114	Advanced Structural Design	3	1	0	4	4
2	Theory	ECE61116	Structural Dynamics & Earthquake Engineering	3	1	0	4	4
3	Theory	ECE61118	Theory of Elasticity & Plasticity	3	0	0	3	3
4	Theory		Elective – II	3	1	0	4	4
5	Theory		Elective – III	3	1	0	4	4
6	Practical	ECE61204	Structural Laboratory II	0	0	3	3	2
7	Sessional	ECE61302	Seminar-II	0	2	0	2	1
			Total	15	6	3	24	22



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SEMESTER III								
Sl. No.	Type	Course Code	Title of the Course	L	T	P	Contact Hours/ Week	Credits
1	Viva	ECE62503	Pre-submission Defense of Dissertation	0	0	0	0	4
2	Thesis	ECE62403	Pre-Dissertation	0	0	0	24	18
Total				0	0	0	24	22

SEMESTER IV								
Sl. No.	Type	Course Code	Title of the Course	L	T	P	Contact Hours/ Week	Credits
1	Thesis	ECE62404	Dissertation	0	0	0	24	18
2	Viva	ECE62504	Defense of Dissertation	0	0	0	0	6
3	Viva	ECE62506	Comprehensive Viva	0	0	0	0	4
Total				0	0	0	24	28

TOTAL CREDITS = 94

Structural Engineering Electives and code

Elective-I

- i. ECE61115 - Bridge Engineering
- ii. ECE61117 - Structural Optimization
- iii. ECE61119- Repair & Rehabilitation of Structure

Elective-II

- i. ECE61120 - Advanced Foundation Engineering
- ii. ECE61122 - Prestressed Concrete Structures
- iii. ECE61124 - Composite Material & Structures

Elective-III

- i. ECE61126 - Environmental Impact Assessment
- ii. ECE61128 - Advanced Concrete Technology
- iii. ECE61130 - Construction Technology & Management
- iv. ECE61132 - Theory of Elastic Stability and Behaviour of Metal Structure