

DEPARTMENT OF ARCHITECTURE
NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

COURSE PLAN – PART I			
Name of the programme and specialization	B.Arch.Architecture		
Course Title	Mechanics of solids		
Course Code	AR106	No. of Credits	3
Course Code of Pre-requisite subject(s)	NA		
Session	Jan. 2019_____	Section (if, applicable)	
Name of Faculty	Dr.L.SAIKALA	Department	ARCHITECTURE
Email	saikala@nitt.edu	Telephone No.	9443125061
Name of Course Coordinator(s) (if, applicable)	NA		
Course Type	<input type="checkbox"/> Core course		
Syllabus (approved in BoS)			
Flexiable curriculum of B.Arch as approved by BoS			
COURSE OBJECTIVES			
To Make Students to understand basics of Mechanism and their properties and loads.			
COURSE OUTCOMES (CO)			
Course Outcomes	Aligned Programme Outcomes (PO)		
1. To understand the basics of structures and mechanism	To learn the basics of structures and the behavior. Learn the analysis and the relationship of various structural elements.		
2. To know the properties of building materials and behavior			
3. To be trained in analyzing the types of problems given			
4. To analyze SF and BM for the given loading structure.			
5. To analyze the member forces for the trusses			
COURSE PLAN – PART II			
COURSE OVERVIEW			
This is a course to impart strudents to learn structures and the combinations for the given loads. It also gives a idea of structures with their functional properties. It specifically explains the loads and their effects on structural members with various methods of analysis.			

COURSE TEACHING AND LEARNING ACTIVITIES				
S.No.	Week/Contact Hours	Topic	Mode of Delivery	
1	8-10 weeks approximately from the starting of semester. Each week having 3 hours duration of class	All topics as per syllabus which is divided into five sections. Each topic will be for two weeks duration approximately.	Class room teaching both by Lectures and Power Point Presentations	
COURSE ASSESSMENT METHODS (shall range from 4 to 6)				
S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
1	Internal Assessment	1 & 2 week	2 hours	5%
2	Internal Assessment	3 & 4 week	2 hours	5%
3	Internal Assessment	5 & 6 week	2 hours	5%
4	Internal Assessment	7 & 8 week	2 hours	5%
CPA	Compensation Assessment*	End of 8 week	2 hours	10%
5	Final Internal Assessment	Total Marks	CT 1 - 20% CT 2 - 20% IA - 10%	50%
6	End Semester Exam *(External)	End of 10 week	3 hours	50%
*mandatory; refer to guidelines on page 4				
COURSE EXIT SURVEY (mention the ways in which the feedback about the course shall be assessed)				
Since it is basic subject and its importance has been understood and the essential of the subject will be assessed with the point scale feedback system.				
COURSE POLICY (preferred mode of correspondence with students, compensation assessment policy to be specified)				
Attendance is mandatory and overall attendance should not be less than 75%				
MODE OF CORRESPONDENCE (email/ phone etc)				
saikala@nitt.edu Telephone No. 9443125061				
COMPENSATION ASSESSMENT POLICY				
End of 8 week assignment will be given.				
ATTENDANCE POLICY (A uniform attendance policy as specified below shall be followed)				
<ul style="list-style-type: none"> ➤ At least 75% attendance in each course is mandatory. ➤ A maximum of 10% shall be allowed under On Duty (OD) category. ➤ Students with less than 65% of attendance shall be prevented from writing the final assessment and shall be awarded 'V' grade. 				

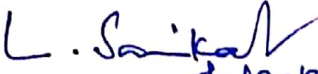
ACADEMIC DISHONESTY & PLAGIARISM

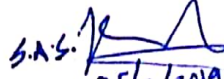
- Possessing a mobile phone, carrying bits of paper, talking to other students, copying from others during an assessment will be treated as punishable dishonesty.
- Zero mark to be awarded for the offenders. For copying from another student, both students get the same penalty of zero mark.
- The departmental disciplinary committee including the course faculty member, PAC chairperson and the HoD, as members shall verify the facts of the malpractice and award the punishment if the student is found guilty. The report shall be submitted to the Academic office.

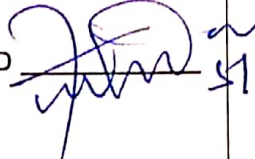
The above policy against academic dishonesty shall be applicable for all the programmes.

ADDITIONAL INFORMATION

FOR APPROVAL


Course Faculty 5/2/2019
(Dr. L. SAIKHAL)

CC-Chairperson 
05/2/2019
(Amalan Kaushik)

HOD 
5/2/2019