

**COURSE POLICY**

Attendance

75% attendance is mandatory.

For those with 65%-75%, condonation is permitted for genuine medical reasons or for representing the institution in intercollegiate events, on production of proper certificates.

If attendance requirements are not met, 'V' grade will be awarded, as per regulations, and the student will have to redo the course when it is offered next.

Others

The students are expected to make full use of the studio hours allotted for each tutorial.

**ADDITIONAL COURSE INFORMATION**

The course coordinator may be contacted for any queries or discussion at her office or on her mobile

**FOR SENATE'S CONSIDERATION**

NA

L. Santal 8/8/2017  
Course Faculty

8/8/17  
CC-Chairperson

8/8/17  
HOD

Course Outcomes	Aligned Programme Outcomes (PO)
<p>Upon completion of the course, the student would be able to</p> <ol style="list-style-type: none"> <li>understand the structural elements behavior and factors to consider for the analyzing the same.</li> <li>know the methods of analysis for types of structures.</li> <li>Know the parts of structural systems meant for particular function.</li> </ol>	To be able to understand the structural behavior.

**COURSE TEACHING AND LEARNING ACTIVITIES**

S.No.	Week	Topic	Mode of Delivery
1.	1week	Topics introduction and explanation of the contents	Class room teaching
2.	2 weeks	Column analysis and exercise with theories.	Class room teaching+ Tutorial
3.	3 weeks	Slope and deflection -methods- formulas -exercise with problems Indeterminate structures analysis- derivation -exercises	Class room teaching+ Tutorial
4.	3weeks	Arches and suspension bridges- types,parts and functions.	Class room teaching+ Tutorial
5.	3 weeks	Continuous beams -moment distribution method- exercisesDetailed model – multistoried building	Class room teaching+ Tutorial
6.	3 weeks	Moving loads and influence lines – applications  One industry visit for learning and experiencing the real structural environment will be made if time permits.	Class room teaching+ Tutorial

**COURSE ASSESSMENT METHODS**

S.No.	Mode of Assessment	Week/Date	Duration
1.	Internal assessment	Based on no. of tutorials done 10% + Two cycle tests 20% weightage each.	Total -50%
2.	End semester examination	End of the semester for 3 hrs.	50%

**COURSE PLAN FOR AR 205 - STRUCTURAL ANALYSIS**

<b>Course Title</b>	<b>STRUCTURAL ANALYSIS</b>		
<b>Course Code</b>	<b>AR 205</b>	<b>No. of Credits</b>	<b>3</b>
<b>Department</b>	<b>ARCHITECTURE</b>	<b>Faculty</b>	<b>L.SAIKALA</b>
<b>Pre-requisites Course Code</b>	<b>NONE</b>		
<b>Course Coordinator(s) (if, applicable)</b>	<b>L.SAIKALA</b>		
<b>Other Course Teacher(s)/Tutor(s) E-mail</b>	<b>NA</b>	<b>Telephone No.</b>	<b>9443125061</b>
<b>Course Type</b>	<b>Core course</b>		

**COURSE OVERVIEW**

This is a course to impart students various structural elements behavior and the analysis of the same. It also gives an idea of types of structures with their functional properties.

**COURSE OBJECTIVES**

1. To know the basic methods of analysis of various structural elements.
2. To study and detail the special purpose structures and their parts and functions with analysis.