



Department Of Civil Engineering
NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI

COURSE OUTLINE			
Course Title	Building Planning and Drawing Laboratory		
Course Code	CELR15		
Department	Civil	No. of Credits	2
Pre-requisites Course Code	NIL	Faculty Name	Dr.M.Thayapraha
E-mail	thayapraha@nitt.edu	Telephone No.	9840415056
Course Type	Core Course		
COURSE OVERVIEW			
<p>The objective of the Building Planning and Drawing Laboratory is to demonstrate the planning and bye-laws. In addition, empowering the students with various concepts like dimensioning, conventions and improve their visualization skills standards related to working drawings in order to become professionally efficient and . Also, impart the knowledge on understanding and drawing of simple residential/office buildings.</p>			
COURSE OBJECTIVES			
<ul style="list-style-type: none"> To understand the principles of planning and bye-laws To draw plan, elevation and section of load bearing and framed structures To draw plan, elevation and section of public and industrial structures To prepare detailed working drawing for doors, windows, etc. 			
COURSE OUTCOMES			
<p>On completion of the course, the students will be able to:</p> <ul style="list-style-type: none"> Apply the principles of planning and bylaws used for building planning. Draw plan, elevation and section for various structures. 			
COURSE TEACHING AND LEARNING ACTIVITIES			
<p>Lab Requirement :</p> <p style="margin-left: 40px;">Drafter Drawing Sheet Pencil, Scale, Eraser</p>			
Week	Topic	Requirements	
1 st week	Drawing on conventional signs in building drawing	Drafter, Drawing Sheet, pencil, Scale, Eraser	
2 nd week	Drawing on electrical installation in building	Drafter, Drawing Sheet, pencil, Scale, Eraser	
3 rd week	Drawing on conventional symbols in building drawing	Drafter, Drawing Sheet, pencil, Scale, Eraser	

4 th week	Foundation and Footing drawings	Drafter, Drawing Sheet, pencil, Scale, Eraser
5 th week	Various columns drawings – Steel, Concrete and Composite	Drafter, Drawing Sheet, pencil, Scale, Eraser
6 th week	Drawing on one way and two way slab	Drafter, Drawing Sheet, pencil, Scale, Eraser
7 th week	Drawing – Residential building 1 (Flat roof)	Drafter, Drawing Sheet, pencil, Scale, Eraser
8 th week	Drawing – Residential building 2 (Flat roof)	Drafter, Drawing Sheet, pencil, Scale, Eraser
9 th week	Drawing – G+1 Residential Building	Drafter, Drawing Sheet, pencil, Scale, Eraser
10 th week	Drawing – Residential building (Sloping Roof)	Drafter, Drawing Sheet, pencil, Scale, Eraser
11 th week	Drawing – Official building	Drafter, Drawing Sheet, pencil, Scale, Eraser
12 th week	Drawing – School Building	Drafter, Drawing Sheet, pencil, Scale, Eraser
13 th week	Drawing – Primary health centre	Drafter, Drawing Sheet, pencil, Scale, Eraser
14 th week	Drawing – Post office	Drafter, Drawing Sheet, pencil, Scale, Eraser

COURSE ASSESSMENT METHODS

S.NO	Mode of Assessment	Week/Date	Duration	% weightage
1.	Every exercise	Each exercise will be assessed for 10 marks and would be finally totaled for 50 marks.		50
2.	Attendance			5
3.	End Semester (Written Exam)	Week 18	1 Hour	20
4.	End Semester (Practical Exam)	Week 18	3 Hours	25
Total marks (1+2+3+4)				100

ESSENTIAL READING (Text Books, Reference books, etc.)

1. Shah M.G. Kalec. M. & Patki SY Building Drawing, Tata Mcgraw Hill, New Delhi, 2000

COURSE EXIT SURVEY

1. Feedback from the students during class committee meeting
2. End semester feedback on course outcomes.

COURSE POLICY (including Plagiarism, Academic honesty, Attendance, etc)

Attendance

- The Closing date of attendance for the subject is week 17th.
- 100% attendance is desirable for every student, with minimum attendance being 75%.
- Attendance during each assessment is mandatory.

Marks

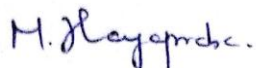
Eligibility criteria for passing

- All exercises should be completed and recorded in the Lab record.

ADDITIONAL COURSE INFORMATION

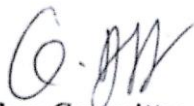
- The Course Coordinator is available for consultation during office hours.
- Queries may also be emailed to the Course Coordinator at thayapraba@nitt.edu

FOR SENATE'S CONSIDERATION



(Dr.M.THAYAPRABA)

Course Faculty



Class Committee -Chairperson



(Prof. R. JAYASHANKAR)

Head of the Department