

**DEPARTMENT OF CHEMICAL ENGINEERING**  
**NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI**

COURSE PLAN – PART I			
Course Title	COMPREHENSIVE VIVA VOCE		
Course Code	CLIR18	No. of Credits	3
Course Code of Pre-requisite subject(s)	All Programme core subjects		
Session	July 2018	Section (if, applicable)	NA
Name of Faculty	Dr.K.M.Meera S.Begum Dr.M.Arivazhagan Dr.G.Arthanareeswaran	Department	Chemical Engineering
Email	meera@nitt.edu ariva@nitt.edu arthanareeg@nitt.edu	Telephone No.	0431-250 3109, 3111, 3118
Name of Course Coordinator(s) (if, applicable)	NA		
E-mail	NA	Telephone No.	
Course Type	<input type="checkbox"/> Core course	<input type="checkbox"/> Elective course	<input checked="" type="checkbox"/> GIR
<b>Syllabus (approved in BoS)</b>			
Process calculations, particulate technology, FM, Thermodynamics, Chemical Technology, Heat transfer, Mass transfer, CRE, Biochemical engg., PDC, Equipment design, Safety and Material technology			
<b>COURSE OBJECTIVES</b>			
To examine the technical knowledge acquired by the student during the undergraduate Chemical Engineering course.			
<b>COURSE OUTCOMES (CO)</b>			
The students will be able to apply the technical concepts and mathematical skills of design analysis of Core chemical engineering subjects in their higher studies or their industrial practice.			
<b>Course Outcomes</b>		<b>Aligned Programme Outcomes (PO)</b>	
CO 1 - PO 1 to PO 12			

**COURSE PLAN – PART II****COURSE TEACHING AND LEARNING ACTIVITIES**

S.No.	Week/Contact Hours	Topic	Mode of Delivery
1.	1 <sup>st</sup> week	Basics, Process calculation	Chalk and Talk
2.	2 <sup>nd</sup> week	Momentum transfer	Chalk and Talk
3.	3 <sup>rd</sup> week	Thermodynamics	Chalk and Talk
4.	4 <sup>th</sup> week	Particulate technology	Chalk and Talk
5.	5 <sup>th</sup> week	Heat Transfer	Chalk and Talk
6.	6 <sup>th</sup> week	Mass transfer	Chalk and Talk
7.	7 <sup>th</sup> week	Chemical Reaction Engineering	Chalk and Talk
8.	8 <sup>th</sup> week	Process Dynamics and control	Chalk and Talk
9.	9 <sup>th</sup> week	Equipment design and safety	Chalk and Talk
10.	10 <sup>th</sup> week	Biochemical Engineering	Chalk and Talk
11.	11 <sup>th</sup> week	Materials and Chemical Technology	Chalk and Talk

**COURSE ASSESSMENT METHODS (shall range from 4 to 6)**

S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
1.	Assessment I	6 <sup>th</sup> week	1 hr	25
2.	Assessment II	10 <sup>th</sup> week	1 hr	25
3.	Final assessment	At the end of the course	1 hr	25
4.	Comprehensive viva-voce	At the end of the course		25

**Essential readings: Textbooks, Reference books etc.,**

Text books, Reference books listed in syllabus

**COURSE EXIT SURVEY (mention the ways in which the feedback about the course shall be assessed)**

- Class committee meetings will be conducted before Assessment test I, Assessment test II and Final Assessment to collect the feedback

**COURSE POLICY (preferred mode of correspondence with students, policy on attendance, compensation assessment, , academic honesty and plagiarism etc.)**

**MODE OF CORRESPONDENCE (email/ phone etc):**

Faculty may be contacted by email.

**ATTENDANCE**

- 75% attendance 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 attending the final assessment and viva which shall be awarded 'V' grade.

**COMPENSATION ASSESSMENT**

Students must attend both Assessment tests I and II without fail.

Assessment test schedule is flexible in order to attend all the students for both assessments I&II

**ACADEMIC HONESTY & PLAGIARISM**

- Possessing a mobile phone, carrying bits of paper, talking to other students, copying from others during final 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 constituted with the 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 policy against academic dishonesty shall be applicable for the current batches also.


**ADDITIONAL INFORMATION**

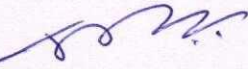
**FOR APPROVAL**

Course Faculty : 1.

  
(Dr.K.M.Meera S.Begum)

2.   
(Dr.M.Arivazhagan)

3.   
(Dr. G.Arthanareeswaran)

CC Chairman: 

(Dr.T. Sivashankar)

HOD : 

(Dr.P.Sivashanmugam)