



DEPARTMENT OF CHEMISTRY
NATIONAL INSTITUTE OF TECHNOLOGY: TIRUCHIRAPPALLI

COURSE PLAN			
Course title	Inorganic Preparations and Qualitative Analysis Lab		
Course code	CH-611	No. of Credits	2
Department	Chemistry	Faculty	Dr. M. Karthik
Course type	Laboratory course		
Course Coordinator(s) (if, applicable)			
E-mail:	karthikm@nitt.edu	Phone:	9944672121
COURSE OVERVIEW			
This is an Laboratory course offered for the M.Sc students (I-Semester). Two credits are awarded for the course. Twoclasses will be conducted every week by a faculty member in Chemistry dept.			
COURSE OBJECTIVE			
1. To introduce the students to the semi-micro analysis of mixture of cations. 2. To provide them a brief idea about inorganic preparatory methods.			
COURSE OUTCOMES (CO)			
CO1 learn about the semi-micro analysis of mixture of cations CO2 learn about the preparation of cobalt compounds CO3 learn about the preparation of nickel compounds CO4 learn about the preparation of chromium, manganese and iron compounds			
COURSE TEACHING AND LEARNING ACTIVITIES			
Sl.No.	Week	Topic	Mode of Delivery
1	II-week Sep/2021	Introduction to Preparations & Characterization of organometallic complexes and Semi micro Analysis	PPT
2	III-week Sep/2021	Preparations & Characterization of organometallic complexes and Semi micro Analysis	PPT
3	IV-week Sep/2021	Preparations & Characterization of organometallic complexes and Semi micro Analysis	PPT
4	I-week Oct/2021	Preparations & Characterization of organometallic complexes and Semi micro Analysis	PPT
5	II-week Oct/2021	Preparations & Characterization of organometallic complexes and Semi micro Analysis	PPT
6	I-week Nov/2021	Preparations & Characterization of organometallic complexes and Semi micro Analysis	PPT
7	II-week Nov/2021	Preparations & Characterization of organometallic complexes and Semi micro Analysis	PPT
8	III-week Nov/2021	Preparations & Characterization of organometallic complexes and Semi micro Analysis	PPT

COURSE ASSESSMENT METHODS

Sl No.	Week/Date	Mode of assessment	Portions	Duration	% Weightage
1	III-week Oct/2021	CT-I	Lab assessment	II-week Sep/2021 To III-week Nov/2021	40
2	III-week Nov/2021	CT-2	Quiz / Assignment	1 hour	30
3	IV-week Dec/2021	Final Viva and Test	All experiments	3 hour	30
TOTAL					100

ESSENTIAL READINGS

1. V. V. Ramanujam, *Inorganic Semi-micro Qualitative Analysis*, 3 rd Edition, National Publishing Company, 1990.
2. G. Brauer (Ed.), *Handbook of Preparative Inorganic Chemistry (Vol. I and II)*, Academic Press, 1963.

COURSE EXIT SURVEY(mention the ways in which the feedback about the course is assessed and indicate the attainment also)

1. Feedback from students during class committee meetings.
2. Anonymous feedback through questionnaire (as followed previously)

COURSE POLICY (including plagiarism, academic honesty, attendance, etc.)

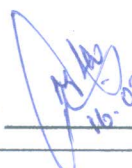
1. 75% attendance is compulsory for writing the end semester exam.
2. Whoever failed to appear for Viva I & test I will have to attend the compensation exam which will be conducted in the IV week of Nov. The compensation exam will cover the entire portion (viva 1 and test 1)
3. Whoever failed to make 75% attendance will have to attend the compensation evening classes which will be conducted in the IV week of Nov in order to appear for the end semester examination

ADDITIONAL COURSE INFORMATION


The respective faculty will be available for consultation at times as per the intimation by the faculty.

Location (OJAS-Chemistry)

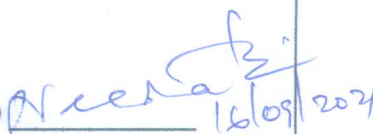
Coordinator


16-09-2021

CC-Chairperson


Dr. A. Sreelekshmi

HOD


16/09/2021