

NOTIFICATION

**OPPORTUNITY TO CLEAR DE/OE/ESO COURSES IN ADVANCE
DURING SUMMER SEMESTER 2021-2022**

It has been decided by the Institute that in addition to some of the backlog courses, various DE/OE/ESO courses popular among students will also be offered during the Summer Semester starting from the Summer Semester 2021-22. The Summer Semester can therefore be utilized to create opportunities for students to enrol in such DE/OE/ESO courses etc., which the students were unable to register in the regular semester because of certain restrictions (available seats/SGPA etc.).

The list of DE/OE/ESO courses which could not be offered to all interested students due to above mentioned restrictions was prepared and circulated among the departments. Based on the confirmation provided by the respective departments, the list of such DE/OE/ESO courses to be offered during the Summer Semester 2021-22 is enclosed herewith.

A. Students can register for any such course (DE/OE/ESO) of their choice from the attached list subject to the following conditions:

- (a) Students can choose courses from the attached list so as to satisfy the credit requirements of their remaining semesters in advance. By doing so, they may be able to meet their graduation requirements a semester in advance than their regular pace or course. The modalities to followed in this regard are given in para B below.
- (b) Maximum two courses (three for graduating students subject to completion of graduation requirements at the end of summer) will be allowed in Summer Semester.
- (c) The grades obtained in these courses will be considered in SGPA/CGPA calculation.
- (d) For a course to run, at least 10 students must be registered in the course (including the students having backlog in that course).
- (e) Classes will commence from **30th May 2022** in **offline mode**.

B. Modalities for opting DE/OE/ESO courses from the attached list:

I. Opting for a Department Elective (DE) Course:

- (a) UG Students can take any course of their department which is offered as a DE course.
- (b) PG Students can take any course of Level 5 of their department which is offered as a DE course.
- (c) The backlog in DE course can be substituted by taking another DE course for fulfilment of the DE credits requirement subject to the conditions cited at (a) & (b).

II. Opting for an Open Elective (OE) Course:

- (a) UG Students can take any course which is offered as a DE/OE/ESO course across the departments.
- (b) PG Students can take any course of Level 5 which is offered as a DE/OE course across the departments.
- (c) The backlog in OE course can be substituted by taking another DE/OE/(ESO for UG) course for fulfilment of the OE credits requirement subject to the conditions cited at (a) & (b).

III. Opting for Engineering Science Option (ESO) Course: [Applicable for UG Students only]

- (a) For completion of the mandatory 36 credits (4 course of ESO including optional/guided) students may take any of the offered ESO courses from the list. The details of ESO requirement of each department is available at https://people.iitism.ac.in/~academics/assets/course_structure/ESO%20Details.pdf.
- (b) Students who have already completed the required 36 credits (4 courses of ESO including optional/guided) of ESO may also take additional ESO course in Summer Semester. The additional credits of the ESO course may fulfil the OE credit requirements in that case.

C. Registration Fees:

The fee for Summer Semester has been revised w.e.f. Summer Semester 2021-22 and will be as follows:

- (a) Tuition Fee is Rs. 10,000/- per course (Not applicable for SC/ST/PwD students).
- (b) Other Semester Charges Rs. 3650/- (Applicable for all).

The students who are interested to opt for the courses available in the attached list in the Summer Semester 2021-22 can submit their request in the following form latest by **18th May 2022**:

<https://forms.gle/mYHCQZjWu7L9GpcA>

The final list of students along with the course/s allowed to be registered by them will be published by 25th May 2022. Only students who successfully register through MIS / Parent portal between 26 – 29 May 2022 and then pay the fee on time will be allowed to continue in the Summer Semester 2021-22.

Students with backlog courses (failed or dropped) will be provided a separate list of courses soon to choose from for their Summer Semester 2021-22. This notice is primarily for the students who wish to take DE/OE/ESO courses in addition or in advance.

Dean (Academic)

List of Popular Courses on Offer under DE/OE/ESO Category

Department	Course Code	Course Name	Level	Course Type	Course Instructor
AGL	GLE201	Geology for Engineering and Science	2	ESO	Prof. Ashutosh Tripathy
AGP	GPE202	Geophysical Prospecting	2	ESO	Prof. Saurabh Datta Gupta, Prof. G.S Rao, Prof. Arun Singh
CHEMICAL	CHE201	Engineering Thermodynamics	2	ESO	Prof. Suman Dutta & Prof. A. Samanta
CHEMICAL	CHE202	Transport Phenomenon	2	ESO	Prof. Sandip Mandal & Prof. S K Bhaumik
CHY & C.B.	CYD506	Computational Chemistry	5	DE	Prof. Niladri Patra
CIVIL	CEE201	Solid Mechanics	2	ESO	Prof. Pranesh Roy
CSE	CSD502	Cloud Computing	5	DE	Prof. D. Ramesh and Prof. Saurabh Srivastava
CSE	CSO503	Data Mining	5	OE	Prof. H. Banka and Prof. R. Pamula
CSE	CSO504	Machine Learning	5	OE	Prof. A. Tarachand and Prof. Ayan Das
CSE	CSO506	Principles of Blockchain Technologies	5	OE	Prof. Arup Pal and Prof. D. Ramesh
EE	EEE202	Utilization of Electrical Energy	2	ESO	Prof. B. K. Naick
ECE	ECE301	Analog Interface Electronics	3	ESO	Prof. Govind Murmu and Prof. T. Jaisingh
ECE	ECE201	Measurements and Instrumentation	2	ESO	Prof. Sanjeev K Raghuvanshi
ESE	ESE201	Pollution Control and Management	2	ESO	Prof. Vittal H and Prof. Saifi Izhar
ESE	ESO404	Sustainability Engineering	4	OE	Prof. Suresh Pandian Elumalai
FMME	FME222	Introduction to Fuel Technology	2	ESO	Dr. B. Rajasekhar Reddy
HSS	HSO301	Ethical Issues in Science	3	OE	Prof. A. K. Behura
HSS	HSO505	Social Entrepreneurship	5	OE	Prof. Sanjeev Sahu, Prof. Rajiv Shekhar, Prof. Deepika Sharma, Prof. Dipannita Chand
MS	MSD514	Financial Econometrics	5	DE	Prof. Krittika Banerjee
MS	MSD520	Merchant Banking and Financial Services	5	DE	Prof. J. K. Pattanayak and Prof. Shipra Maurya
MS	MSC526	Strategic Management	5	DE	Prof. Saumya Singh
M&C	MCO501	Discrete Mathematics	5	OE	Prof. S. Kundu & Prof. D. Pradhan

MECH	MEE201	Engineering Materials	2	ESO	Prof. K. K. Singh and Prof. K. P. Ajit
MECH	MEO579	Computational Fluid Dynamics	5	OE	Prof. Shubhankar Sen and Prof. Swagata Bhaumik
MECH	MEO586	Additive Manufacturing	5	OE	Prof. A. R. Dixit and Prof. A. K. Das
MINING	MNE201	Introduction to Mining	2	ESO	Prof. S. C. Bhowmik
PE	PEO507	Introduction to Python and Petroleum Data Science	5	OE	Prof. Rajkiran and Prof. Archana
PE	PEE201	Introduction to Petroleum Engineering	2	ESO	Prof. N. K. Maurya
PHY	PHE200	Biomedical Engineering	2	ESO	Prof. U. Tripathy