

INFORMAL SESSION

HOW TO MASTER 3RD SEMESTER ?

SPEAKERS



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TEMPLATE

S. No.	Course Id	Course Name	Section	Instructor	Course Type	Course Nature	Credits	Branch	DUGC/DPGC Status
1	CE212	ENVIRONMENT AND SUSTAINABILITY	All	ABHAS SINGH	Department Compulsory (DC)	Fresh	9	CE	Accepted BY DUGC/DPGC
2	CE243	CIVIL ENGINEERING MATERIALS	All	HARISH KV	Department Compulsory (DC)	Fresh	8	CE	Accepted BY DUGC/DPGC
3	CE261	FLUID MECHANICS FOR CIVIL ENGINEERS	All	Chunendra Sahu	Department Compulsory (DC)	Fresh	10	CE	Accepted BY DUGC/DPGC
4	CE341	CIVIL ENGINEERING COMMUNICATION SKILLS	All	PRISHATI RAYCHOWDHURY	Department Compulsory (DC)	Fresh	2	CE	Accepted BY DUGC/DPGC
5	ESO202	MECHANICS OF SOLIDS	H6	Amar Nath Chowdhury	Engineering Science Option (ESO/SO)	Fresh	11	CE	Accepted BY DUGC/DPGC
6	HSO201	APPLIED PROBABILITY AND STATISTICS	P3	JOYDEEP DUTTA	Engineering Science Option (ESO/SO)	Fresh	11	ECO	Accepted BY DUGC/DPGC
7	MSO203M	PARTIAL DIFFERENTIAL EQUATIONS	M2	Prosenjit Roy	Engineering Science Option (ESO/SO)	Fresh	6	MTH	Accepted BY DUGC/DPGC
8	TA211	MANUFACTURING PROCESSES I	D15	SHASHANK SHEKHAR	Institute Core (IC)	Fresh	3	MSE	Accepted BY DUGC/DPGC

TIME TABLE

	Monday	Tuesday	Wednesday	Thursday	Friday
8am	8:00 - 9:00 Lec-CE212		8:00 - 9:00 Lec-CE212	8:00 - 9:00 Lec-CE212	
9am	9:00 - 10:00 Tut-MSO203M		9:00 - 10:00 Lec-MSO203M	9:00 - 10:00 Lec-MSO203M	9:00 - 10:00 Lec-MSO203M
10am	10:00 - 11:00 Lec-ESO202	10:00 - 12:00 Lec-CE341	10:00 - 11:00 Lec-ESO202	10:00 - 11:00 Tut-ESO202	10:00 - 11:00 Lec-ESO202
11am	11:00 - 12:00 Lec-HSO201		11:00 - 12:00 Tut-HSO201	11:00 - 12:00 Lec-HSO201	11:00 - 12:00 Lec-HSO201
12pm	12:00 - 1:00 Lec-CE243		12:00 - 1:00 Lec-CE243		
1pm					
2pm	2:00 - 5:00 Prc-TA211	2:00 - 5:00 Prc-CE243	2:00 - 5:00 Prc-TA211	2:00 - 5:00 Prc-CE243	2:00 - 5:00 Prc-TA211
3pm					
4pm		4:00 - 6:00 Prc-CE261		4:00 - 6:00 Prc-CE261	
5pm	5:00 - 6:00 Lec-CE261		5:00 - 6:00 Lec-CE261		5:00 - 6:00 Lec-CE261



CE212 Environment and Sustainable [9]

(Abhas Singh)

Course content: Environment, Sustainability, Evolution of human species, Interaction between humans and the environment, pollution, loss of biodiversity, etc.

Difficulty level: Easy to medium, need to memorize a lot of stuff and you have to write long subjective answers. Moderate for those who have difficulty in memorizing the things

Last year course structure: First Half was chill, strict attendance policy in first half, we used to have weekly quizzes(questions mostly from question bank).

Subjective Midsem, No attendance in second half, assignments were fun !!!, Subjective Endsem.

Prof Review: Prof Abhas Singh is nice and understanding prof, will give you a lot of work, can expect C+ on average

Grading: Top 15% B+, above avg-B, on avg C+

TA211 Manufacturing Processes-I [3]

(Shashank Shekhar)

Course content: Introduction to manufacturing, brazing, belding, sand moulding, casting, forging, sheet metal forming, swaging, drilling, cutting grinding, injection moulding, tape casting, object fabrication, etc.

Difficulty level: Easy Lab component: Labs may feel hectic and tiring! (but they are interesting and fun during the project part)

Prof Review: Not much to worry about

Grading: B on average, a large amount of people get B You can also get A easily if you do work regularly on time.

CE261 Fluid Mechanics for Civil Engineers [8]

(Chunendra Sahu)

Course content: Introduction to fluids, Fluid statics, Fluid Kinematics, Conservation Laws, Dynamics of viscous flows, Flows through closed conduits, Flow with free surface, etc.

Difficulty level: Moderate (pre-MidSem is very easy but post MidSem is a little difficult). Study regularly for second half and go classes daily

Last Year Course Structure : The First half is easy. The best 2 out 3 quizzes were considered to grading. Quizzes were relatively easy. The mid-semester exam was moderate (Some Questions came from the assignment itself). Second Half was tough. So the Endsem was also tough. **General: Do Assignments (if given), practice questions from the book (at least for the 2nd half)**

Prof Review: Prof: Teaches well. Prof. Shivam Tripathi's class was interesting. He used to distribute chocolates for answering the questions in class

Book: Fluid Mechanics (Yunus A. Cengel, John M. Cimbala)

Grading: Very less people got A and B+. almost C+ centric grading

CE243 Civil Engineering materials [8]

(Harish KV)

Course content: Construction Materials including cement, concrete, bitumen, Geotech (soil) and a lot more.

Difficulty level: Moderate to Difficult, need to memorize a lot of stuff

Last Year Course Structure: $\frac{1}{3}$ part was taken by prof Shyam Nairn and $\frac{2}{3}$ part was taken by Prof KV Harish. Please go to Prof Nair's class, as he will not provide the notes and write them notes as questions in quizzes and Midsem, come directly from the Notes themselves. In total 4 quizzes(1 pre-Midsem and 3 post-Midsem) and mostly objective. Endsem was both subjective and objective

Prof: Teaches well, KV Harish is a very sweet prof, will tell you some of the important concepts before the exam

Grading: (C+ centric) Lab component: Labs are fun! (if you start enjoying them)

Books: Principles of Transportation Engineering by Animesh Das

CE341 Civil Engineering Communication skills [2]

(Prishati Raychowdhury)

Course content: Composition, words, sentences, paragraph writing; story, essay, thematic, scientific writing (much more, depends on the professor)

Difficulty level: Easy S/X course, does not count towards CPI just attend classes and do the thing



HS0201 Applied Probability and Statistics[11]

(Joydeep Dutta)

Course content: Basics of Probability, Conditional Probability, Bayes Theorem, Random Variables, Joint Distributions and Marginals, Sampling Distributions, Maximum Likelihood Estimation and Interval Estimation, Hypothesis Testing, etc.

Difficulty level: Easy to Moderate Course content, Very important from Internship perspective. Probability and Statistics is required for various profiles.

Prof: Very chill

Grading: Good Grading (on avg B+ in good case and C+ in bad case)

Tips: Do lecture notes and assignments regularly (don't leave it for end moment). **With little added efforts, you can easily get an A.**

ES0202 Mechanics of Solids [11]

(Amar Nath Roy Chowdhury)

Course content: Forces, moments, friction, Newton's laws, equilibrium, supports and joints, free body diagrams, internal forces and moments, deformable bodies, stress and strain analysis, material behavior, boundary value problems, torsion, beam bending, energy methods, stability of equilibrium.

Difficulty level: Hard Course: The professor's past courses grading seems to be between B/C+ on avg(in our time C centric grading was done).

Resources: [Click Here !!!](#)

Books: Introduction to mechanics of solids, Crandall & Dahl (Must!!)

Recommend: Watch NPTEL videos of Priyanka Ghosh, Do tutorial and assignment questions regularly, Try to attend all the lectures, **Solve Crandall questions with peers**

MSO203M Partial Differential Eqn [6]

(Prosenjit Roy)

Course content: Fourier Series and its applications, Sturm-Liouville problem and Sturm-Liouville eigenvalue problem, Classification of PDE's, Classification for second order linear PDEs, Reduction to canonical form for second order linear PDEs, Method of Characteristics for first order PDEs, Wave Equation, Laplace Equation, Heat equations

Difficulty level: Hard, need to put in efforts (needs practice before exams)

Modular course: (course will take place in 2nd half of the semester)

General: Course will go fast (as course content is more than the duration)

Grading: Tough Grading (on avg C)

RESOURCES

Sem 3: Click Here !!!

Some Personal Learnings

- Attend classes
- Make notes
- Do Assignments
- Start studying at least 1 week before mid semester & 2 week before end semester
- Don't leave any course just because you don't like it
- Give priority to courses according to credits
- Study ESO202, MSO203 like courses in a peer group
- Seek guidance from senior if a course goes badly

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Thank You