

Department of Electrical and Electronic Engineering Fall 2020

4 th Year; 1 st Semester		
Groups	Course No:	Name of Course
ELECTIVE- I		
Power	EEE 4153	Power System II
	EEE 4154	Power System II Lab
Electronics	EEE 4137	Digital Electronics II
	EEE 4138	Digital Electronics II Lab
Communication	EEE 4177	Random Signal and Processes
	EEE 4178	Random Signal and Processes Lab
ELECTIVE- II		
Electronics	EEE 4133	VLSI-I
	EEE 4134	VLSI-I Lab
Communication	EEE 4173	Microwave Engineering
	EEE 4174	Microwave Engineering Lab
Computer	EEE 4193	Microcontroller Based System Design
	EEE 4194	Microcontroller Based System Design Lab
ELECTIVE- III		
Electronics	EEE 4131	Processing and Fabrication Technology
Power	EEE 4151	Energy Conversion III
Communication	EEE 4171	Digital Signal Processing II
ELECTIVE- IV		
Electronics	EEE 4135	Analog Integrated Circuit
Power	EEE 4155	Power Plant Engineering and Economy
Communication	EEE 4175	Optical Fiber Communication

4 th Year; 2 nd Semester		
Groups	Course No:	Name of Course
ELECTIVE- V		
Electronics	EEE 4233	Optoelectronics
Communication	EEE 4273	Mobile Cellular Communication
Computer	CSE 4293	Computer Architecture
ELECTIVE- VI		
Electronics	EEE 4237	Biomedical Instrumentation
	EEE 4238	Biomedical Instrumentation Lab
Power	EEE 4251	Power System Protection
	EEE 4252	Power System Protection Lab
Electronics	EEE 4231	VLSI II
	EEE 4232	VLSI II Lab
Communication	EEE 4271	Digital Communication
	EEE 4272	Digital Communication Lab
ELECTIVE- VII		
Computer	CSE 4295	Multimedia Communication
Electronics	EEE 4235	Compound Semiconductor and Hetero-Junction Devices
Power	EEE 4255	Power System Operation and Control
Communication	EEE 4275	Telecommunication Engineering

ELECTIVE- VIII		
Inter Disciplinary	EEE 4227	Power Electronics
	EEE 4228	Power Electronics Lab
Inter Disciplinary	EEE 4221	Control System II
	EEE 4222	Control System II Lab

Notes:

1. Elective course with one section will be offered if the number of students is within 20-52. **If the number is below 20, corresponding course will not be offered.**
2. The maximum number of students for VLSI-I will be 128-130 and *VLSI-II will be 36.*
3. According to the IUMS Instruction, students must give choices for all the elective courses (Elective I-VIII). As an example: 4th year- 2nd semester: From Elective VI; there are four courses. Students may write their choice as follows.

	Subject Name	choice
EEE 4237	Biomedical Instrumentation	2
EEE 4251	Power System Protection	1
EEE 4231	VLSI II	2
EEE 4271	Digital Communication	4

The student assigned to an elective course is based on their first choice. Student serials for that particular course will be sorted according to CGPA (up to 3-2 for 4-1 and up to 4-1 for 4-2). If the number of students for a particular elective course crossed the limit beyond 53 and within 69, then those students having this serial 53-69 will be shifted to their corresponding subject of second preference. Similar situation will occur in the case of the student range within 104-119.



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