DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ALL COURSES OFFERED BY ECE DEPT FOR SPRING 2021

PROGRAM	COURSE CODE	COURSE TITLE	COURSE TYPE	CREDIT
MTECH ELDT	EL516	DESIGN OF FINE MECHANICS AND POWER DEVICES	CORE	4(3-0-1)
	EL517	PHYSICAL AND INDUCTRIAL DESIGN OF ELECTRONICS SYSTEMS (Incomplete)	CORE	4(3-0-1)
	EL530	VLSI DESIGN	CORE	4(3-0-1)
	EL531	DESIGN OF DIGITAL SYSTEMS (Incomplete)	CORE	4(3-0-1)
	EL538	ADVANCED ELECTRONIC DEVICES	CORE	3(2-0-1)
	EL540	SENSOR AND SENSOR INTELLIGENCE	CORE	4(3-0-1)
	EL542	ADVANCED POWER ELECTRONICS	OPEN ELECT	3(3-0-0)
	EL544	CMOS ANALOG CIRCUITS	ECE ELECT	4(3-0-1)
	EL546	MODELING AND SIMULATION OF DIGITAL SYSTEMS	ECE ELECT	4(3-0-1)
	EL601	MTECH DISSERTATION	CORE	24
MTECH BIO	BE504	NEURO-ENGINEERING	CORE	3(3-0-0)
	BE506	BIOMEDICAL IMAGE PROCESSING	CORE	4(3-0-1)
	BE518	BIOELECTRONIC SYSTEMS AND CONTROL	CORE	4(3-0-1)
	BE524	ADVANCED BIOELECTRONIC DEVICES	CORE	4(3-0-1)
	BE528	MEMS & NANO TECHNOLOGY	CORE	3(3-0-0)
	EL540	SENSOR AND SENSOR INTELLIGENCE	CORE	4(3-0-1)
	BE601	MTECH DISSERTATION	CORE	24
BTECH	EC102	BASIC ELECTRONICS	CORE	4(2-1-1)
	EC207	ANALOG AND DIGITAL COMMUNICATION	CORE	3(3-0-0)
	EC208	ANALOG AND DIGITAL COMMUNICATION LAB (incomplete)	CORE	1(0-0-1)
	EC209	ANALOG CIRCUITS	CORE	3(3-0-0)
	EC210	ANALOG CIRCUITS LAB	CORE	1(0-0-1)
	EC211	MICROCONTROLLER & MICROPROCESSOR	CORE	3(3-0-0)
	EC212	MICROCONTROLLER LAB	CORE	1(0-0-1)

	EC311	CONTROL SYSTEM	CORE	3(3-0-0)
	EC312	COMPUTER NETWORKS	CORE	3(3-0-0)
	EC313	COMPUTER NETWORKS LAB	CORE	2(0-0-2)
	EC314	ELECTRONIC MEASUREMENT LAB	CORE	1(0-0-1)
	EC315	MINI PROJECT	CORE	2(0-0-2)
	EC318	DIGITAL IMAGE AND VIDEO PROCESSING	ECE ELECT	3(3-0-0)
	EC319	VLSI DESIGN	ECE ELECT	3(3-0-0)
	EL201	SWITCING CIRCUITS AND DIGITAL LOGIC	CORE	4(2-1-1)
	EL203	ANALOG ELECTRONIC DEVICES AND CIRCUITS	CORE	4(2-1-1)
	EL205	INTEGRATED CIRCUITS (Incomplete)	CORE	4(3-0-1)
	EL424	FIBRE OPTIC COMMUNICATION	ECE ELECT	3(3-0-0)
	EL426	FUZZY LOGIC AND NEURAL NETWORK	OPEN ELECT	3(3-0-0)
	EL432	ADVANCED SEMICONDUCTOR DEVICES	ECE ELECT	3(3-0-0)
	EL482	PROJECT II	CORE	12(0-0-12)
PHD COURSE WORK	BE705	ADVANCED BIOELECTRONIC DEVICES	ELECT	3(3-0-0)
	BE708	NEURO-FUZZY SYSTEM	ELECT	3(3-0-0)
	EL704	BIOINSPIRED SYSTEMS AND ENGINEERING	ELECT	3(3-0-0)
	EL714	SIGNALS AND CIRCUITS	CORE	3(3-0-0)
	EL716	LINEAR ALGEBRA AND CONVEX OPTIMIZATION	CORE	3(3-0-0)
	EL718	MACHINE VISION	CORE	4(3-0-1)
MOOC	EC465	Evolution of Air Interface towards 5G	ECE ELECT	2(2-0-0)
	EC466	Electronics equipment integration and Prototype building	ECE ELECT	2(2-0-0)
	EC450	Mathematical Methods and Techniques in Signal Processing	ECE ELECT	3(3-0-0)
	EC451	Spread Spectrum Communications and Jamming	ECE ELECT	3(3-0-0)
	EC453	Microwave Integrated Circuits	ECE ELECT	2(2-0-0)
	EC455	A brief introduction of Micro – Sensors	ECE ELECT	1(1-0-0)
	EC457	Biomedical Signal Processing	ECE ELECT	3(3-0-0)
	EC424	Antennas	ECE ELECT	3(3-0-0)