

## M. Sc. Electronics and Communication Scheme Revision Session: 2021 – 23

Semester I				32 Credits		32 Credits	
S.N	Course Code	Course Name (Pre-Revised)	Credit	Course Code	Course Name (Revised)	Credit	
1	EL51101	Signals and Systems-Continuous	4	EL51101	Signals and Systems-Continuous	4	
2	EL51102	Electromagnetic Theory	4	EL51102	Electromagnetic Theory	4	
3	EL51103	C-Programming	4	EL51107	Python Programming	4	
4	EL51104	Devices and Circuit Theory	4	EL51106	Microcontroller & Interfacing	4	
5	EL51105	Digital Design	4	EL51105	Digital Design with VHDL	4	
6	EL51203	C-Programming-Lab	2	EL51207	Python Programming Lab	2	
7	EL51204/05	Device and Circuit Lab / Digital Design Lab	2+2	EL51206/05	Microcontroller & Intf. Lab./ Digital Design Lab	2+2	
8	EL51301	Seminar	2	EL51401	Seminar	2	
9	EL51401	Comprehensive Viva	4	EL51301	Comprehensive Viva-Voce	4	
Semester II:				32 Credits		32 Credits	
S.N	Course Code	Course Name (Pre-revised)	Credit	Course Code	Course Name (Revised)	Credit	
1	EL52101	Microprocessor & Interfacing	4	EL52106	Advance Embedded Microcontroller-ARM	4	
2	EL52102	Analog Communication Systems	4	EL52102	Analog & Digital Communication Systems	4	
3	EL52103	Computer Networks	4	EL52103	Data Communication and Networking.	4	
4	EL52104	Signals and Systems-Discrete	4	EL52104	Signals and Systems-Discrete	4	
5	EL52105	JAVA Programming	4	EL52105	Machine Learning	4	
6	EL52204/02	Microprocessor & Int.-Lab. / Analog Communication Lab	2+2	EL52206	Advance Embedded Microcontroller-ARM Lab/ Machine Learning Lab	2+2	
7	EL52204/05	MATLAB Laboratory / JAVA Lab	2+2	EL52204/02	MATLAB Lab / Analog & Digital Comm. Lab	2+2	
8	EL52401	Comprehensive Viva	4	EL52301	Comprehensive Viva-Voce	4	
Semester III:				30 Credits		30 Credits	
S.N	Course Code	Course Name (Pre-Revised)	Credit	Course Code	Course Name (Revised)	Credit	
1	EL53101	Control Systems	4	EL53101	Control Systems	4	
2	EL53102	Microwave Communication	4	EL53102	Embedded Systems Design	4	
3	EL53103	Microcontroller & Interfacing	4	EL53103	Java Programming	4	
4	EL53104	Wireless Communication.	4	EL53104	Wireless Communication.	4	
5	EL53105	VHDL	4	EL53105	CMOS Technology & VLSI Design	4	
6	EL53203	Microcontroller Lab.	2	EL53202	Embedded Systems Design Laboratory	2	
7	EL53204	Wireless Communication Laboratory	2	EL53203	Java Programming Laboratory	2	
8	EL53205	VHDL Laboratory	2	EL53205	CMOS Technology & VLSI Design Laboratory	2	
	EL53401	Comprehensive Viva	4	EL53301	Comprehensive Viva-Voce	4	
Semester IV:				12 Credits		12Credits	
S.N	Course Code	Course Name (Pre-Revised)	Credit	Course Code	Course Name (Revised)	Credit	
1	EL54501	Major Project	12	EL54501	Major Project	12	

Total Credits: 106

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- Notes: 1. Courses marked with **RED** Ink are deleted courses and courses marked with **GREEN** ink are newly introduced ones. **BLUE** marked courses have minor changes in name and/or syllabus.
2. The CBCS scheme has been introduced from 2013 onwards.