



Bankura University

B.Sc. ELECTRONICS (Programme) CBCS w.e.f. 2017-18

CBCS SYLLABUS

FOR

THREE YEARS UNDER-GRADUATE COURSE

IN

ELECTRONICS (PROGRAMME)

(w.e.f. 2017)



BANKURA UNIVERSITY

BANKURA

WEST BENGAL

PIN 722155

**(Proposed)****STRUCTURE IN ELECTRONICS (PROGRAMME)****SEMESTER – I**

Course Code	Course Title	Credit	Marks			No. of Hours		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/ELC/101/C-1A	Electronic Circuits and PCB Designing (T1)	4	10	25	50			
	Electronic Circuits and PCB Designing Lab (P1)	2		15				
SP/102/ C-2A	Discipline-2	6	10	40	50			
SP/103/ C-3A	Discipline-3	6	10	40	50			
ACSHP/ 104/ AECC-1	Environmental Studies	4	10	40	50			
Total in Semester - I		22	40	160	200			

SEMESTER -II

Course Code	Course Title	Credit	Marks			No. of Hours		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/ELC/201/C-1B	Digital System Design (T2)	4	10	25	50			
	Digital System Design Lab (P2)	2		15				
SP/202/ C-2B	Discipline - 2	6	10	40	50			
SP/202/ C-3B	Discipline - 3	6	10	40	50			
ACSHP/204/ AECC-2	English/MIL	2	10	40	50			
Total in Semester - II		20	40	160	200			

SEMESTER – III

Course Code	Course Title	Credit	Marks			No. of Hours		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/ELC/ 301/C-1C	Communication Systems (T3)	4	10	25	50			
	Communication Systems Lab(P3)	2		15				
SP/302/C-2C	Discipline - 2	6	10	40	50			
SP/ 303/ C-3C	Discipline - 3	6	10	40	50			
SP/ELC/304/ SEC-1	Renewable Energy and Energy harvesting	2	10	40	50			
Total in Semester - III		20	40	160	200			

SEMESTER – IV

Course Code	Course Title	Credit	Marks			No. of Hours		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/ELC/401/C-1D	Instrumentation (T4)	4	10	25	50			
	Instrumentation Lab (P4)	2		15				
SP/ 402/ C-2D	Discipline-2	6	10	40	50			
SP/ 403/ C-3D	Discipline-3	6	10	40	50			
SP/ELC/404/ SEC-2	Weather Forecasting	2	10	40	50			
Total in Semester - IV		20	40	160	200			

SEMESTER – V

Course Code	Course Title	Credit	Marks			No. of Hours		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/ELC/501/DS E-1A	Any one of the following	4	10	25	50			
	a) Electronic Instrumentation (DSE1-T1) Electronic Instrumentation Lab (DSE1-P1)	2		15				
	b) Photonic Devices and Power Electronics (DSE2-T2) Photonic Devices and Power Electronics Lab (DSE2-P2)							
SP/ELC/501/DS E-2A	Discipline - 2	6	10	40	50			
SP/ 503/DSE- 3A	Discipline - 3	6	10	40	50			
SP/ELC/504/SE C-3	Computational Physics Skills	2	10	40	50			
Total in Semester – V		20	40	160	200			

SEMESTER – VI

Course Code	Course Title	Credit	Marks			No. of Hours		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/ELC/ 601/DSE-1B	Any one of the following	4	10	25	50			
	a) Electronic Instrumentation (DSE1-T1) Electronic Instrumentation Lab (DSE1-P1)	2		15				
	b) Photonic Devices and Power Electronics (DSE2-T2) Photonic Devices and Power Electronics Lab (DSE2-P2)							
SP/ 602/DSE- 2B	Discipline - 2	6	10	40	50			
SP/ 603/DSE- 3B	Discipline - 3	6	10	40	50			
SP/ELC/ 604/SEC-4	Electrical circuits and network Skills	2	10	40	50			
Total in Semester – VI		20	40	160	200			

UGP= Under Graduate programme/Pass, S.C.= Subject Code C= Core Course, E/H/MIL= English/ Hindi/ Modern Indian Language, H/MIL/E= Hindi/ Modern Indian Language/ English, AECC-E= Ability Enhancement Compulsory Course-English, AECC-ENV= Ability Enhancement Compulsory Course-Environmental Science, SEC= Skill Enhancement Course, GE= Generic Elective, DSE= Discipline Specific Elective IA= Internal Assessment, ESE= End-Semester Examination, Lec.= Lecture, Tu.= Tutorial, and Pr.=Practical