

KAZI NAZRUL UNIVERSITY			FACULTY OF SCIENCE		DEGREE PROGRAMME: PROGRAM IN PHYSICS			B.Sc.		WITH EFFECT FROM THE ACADEMIC SESSION: 2022-23						
Abbreviated Degree	Discipline	Abbreviated Degree Programme	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks
BSCP	PHYSICS	BSCPPHS	I	Mechanics	C	BSCPPHSC101	CC-1(1)	4 - 0 - 4	6	22	30	15	20	35	100	150 + Marks of Disc.2 & Disc.3
				Discipline 2: CC-1(1) of Other Discipline		See Pool	CC-2(1)	See Pool	6		See Pool				Marks of Disc.2 & Disc.3	
				Discipline 3: CC-1(1) of Other Discipline		See Pool	CC-3(1)	See Pool	6		See Pool				Marks of Disc.2 & Disc.3	
				Environment Studies	AE	AEE101	AECC-1	4 - 0 - 0	4			15		35	50	
			II	Electricity and Magnetism	C	BSCPPHSC201	CC-1(2)	4 - 0 - 4	6	22	30	15	20	35	100	150 + Marks of Disc.2 & Disc.3
				Discipline 2: CC-1(2) of Other Discipline		See Pool	CC-2(2)	See Pool	6		See Pool				Marks of Disc.2 & Disc.3	
				Discipline 3: CC-1(2) of Other Discipline		See Pool	CC-3(2)	See Pool	6		See Pool				Marks of Disc.2 & Disc.3	
				English/MILCommunication	AE	See Pool	AECC-2	4 - 0 - 0	4			15		35	50	
			III	Basics of Thermal and Statistical Physics	C	BSCPPHSC301	CC-1(3)	4 - 0 - 4	6	22	30	15	20	35	100	150 + Marks of Disc.2 & Disc.3
				Discipline 2: CC-1(3) of Other Discipline		See Pool	CC-2(3)	See Pool	6		See Pool				Marks of Disc.2 & Disc.3	
				Discipline 3: CC-1(3) of Other Discipline		See Pool	CC-3(3)	See Pool	6		See Pool				Marks of Disc.2 & Disc.3	
				Electrical Circuit Network Skills	SE	BSCPPHSSE301	SEC-1	0 - 0 - 8	4		30		20		50	
			IV	Basics of Waves and Optics	C	BSCPPHSC401	CC-1(4)	4 - 0 - 4	6	22	30	15	20	35	100	150 + Marks of Disc.2 & Disc.3
				Discipline 2: CC-1(4) of Other Discipline		See Pool	CC-2(4)	See Pool	6		See Pool				Marks of Disc.2 & Disc.3	
				Discipline 3: CC-1(4) of Other Discipline		See Pool	CC-3(4)	See Pool	6		See Pool				Marks of Disc.2 & Disc.3	
				Basic Instrumentation Skills	SE	BSCPPHSSE401	SEC-2	0 - 0 - 8	4		30		20		50	
			V	Modern Physics	(Any One)	BSCPPHSDSE501	DSE	DSEC-1(1)	5 - 1 - 0	22		15		35	50	100 + Marks of DSEC
				Basics of Astronomy and Astrophysics		BSCPPHSDSE502			5 - 1 - 0			15	35			
				Discipline 2: DSE-1(1) of Other Discipline		See Pool			DSEC-2(1)		See Pool	6	See Pool			
				Discipline 3: DSE-1(1) of Other Discipline	See Pool	DSEC-3(1)	See Pool	6	See Pool		Marks of DSE chosen					
			Technical Drawing Skills	SE	BSCPPHSSE501	SEC-3	0 - 0 - 8	4	30		20		50			
			VI	Basic Electronics	(Any One)	BSCPPHSDSE601	DSE	DSEC-1(2)	4 - 0 - 4	22	30	15	20	35	100	150 + Marks of DSEC
				Basics of Nanomaterials and Applications		BSCPPHSDSE602			4 - 0 - 4			15	35			
				Discipline 2: DSE-1(2) of Other Discipline		See Pool			DSEC-2(2)		See Pool	6	See Pool			
Discipline 3: DSE-1(2) of Other Discipline	See Pool	DSEC-3(2)		See Pool	6	See Pool		Marks of DSE chosen								
Computational Physics	SE	BSCPPHSSE601	SEC-4	0 - 0 - 8	4	30		20		50						
<b>Total Credit and Marks</b>										<b>132</b>	<b>850 + Marks of Disc.2 &amp; Disc.3 + Marks of DSEC</b>					

Abbreviations: C= Core; CC=Core Course; AE= Ability Enhancement; AECC= Ability Enhancement Compulsory Course; GE= Generic Elective; GEC= Generic Elective Course; SE= Skill Enhancement; SEC= Skill Enhancement Course; DSE= Discipline Specific Elective; DSEC= Discipline Specific Elective Course; CA= Continuous Assessment, ESE= End Semester Examination, L= Lecture Hour; T= Tutorial Hour and P= Practical Hour/ Field Work and NA= Not Applicable

Discipline-2: Students of a particular Program Course will choose Discipline-2 of any other Discipline except of his/her own. For example, if a student opts for Program Course in Physics then that student is required to opt Discipline-2 from Program Courses other than Physics. Once Discipline-2 is chosen in the 1st Semester the Discipline-3: Students of a particular Program Course will choose Discipline-3 of any other Discipline except Discipline 1 and Discipline 2 already chosen. Once Discipline-3 is chosen in the 1st Semester the student is to continue with the same in the remaining semesters.

Semesterwise Pool of Core Courses offered by this Discipline (when treated as Discipline 2 for other Program Courses across the faculties as far as practicable)

Discipline-2	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks
PHYSICS	I	Mechanics	C	BSCPPHSC101	CC-2(1)	4 - 0 - 4	6	NA	30	15	20	35	100	NA
	II	Electricity and Magnetism		BSCPPHSC201	CC-2(2)	4 - 0 - 4	6		30	15	20	35	100	
	III	Basics of Thermal and Statistical Physics		BSCPPHSC301	CC-2(3)	4 - 0 - 4	6		30	15	20	35	100	
	IV	Basics of Waves and Optics		BSCPPHSC401	CC-2(4)	4 - 0 - 4	6		30	15	20	35	100	

Semesterwise Pool of Core Courses offered by this Discipline (when treated as Discipline 3 for other Program Courses across the faculties as far as practicable)

Discipline-3	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks
PHYSICS	I	Mechanics	C	BSCPPHSC101	CC-3(1)	4 - 0 - 4	6	NA	30	15	20	35	100	NA
	II	Electricity and Magnetism		BSCPPHSC201	CC-3(2)	4 - 0 - 4	6		30	15	20	35	100	
	III	Basics of Thermal and Statistical Physics		BSCPPHSC301	CC-3(3)	4 - 0 - 4	6		30	15	20	35	100	
	IV	Basics of Waves and Optics		BSCPPHSC401	CC-3(4)	4 - 0 - 4	6		30	15	20	35	100	

Discipline Specific Elective Course (DSEC) -2: Students of a particular Program Course will choose DSEC-2 from DSEC-1 of Discipline 2.

Discipline Specific Elective Course (DSEC) -3: Students of a particular Program Course will choose DSEC-3 from DSEC-1 of Discipline 3.														
Semesterwise Pool of Discipline Specific Elective Courses (DSEC) offered by this Discipline (when treated as Discipline 2 for other Program Courses across the faculties as far as practicable)														
Discipline-2	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks
									Practical	Theoretical	Practical	Theoretical		
PHYSICS	V	Modern Physics	DSE	BSCPPHSDSE501	DSEC-2(1)	5 - 1 - 0	6	NA		15		35	50	NA
		Basics of Astronomy and Astrophysics		BSCPPHSDSE502		5 - 1 - 0				15		35		
	VI	Basic Electronics		BSCPPHSDSE601	DSEC-2(2)	4 - 0 - 4	6		30	15	20	35	100	
		Basics of Nanomaterials and Applications		BSCPPHSDSE602		4 - 0 - 4			30	15	20	35		
Semesterwise Pool of Discipline Specific Elective Courses (DSEC) offered by this Discipline (when treated as Discipline 3 for other Program Courses across the faculties as far as practicable)														
Discipline-3	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks
									Practical	Theoretical	Practical	Theoretical		
PHYSICS	V	Modern Physics	DSE	BSCPPHSDSE501	DSEC-3(1)	5 - 1 - 0	6	NA		15		35	50	NA
		Basics of Astronomy and Astrophysics		BSCPPHSDSE502		5 - 1 - 0				15		35		
	VI	Basic Electronics		BSCPPHSDSE601	DSEC-3(2)	4 - 0 - 4	6		30	15	20	35	100	
		Basics of Nanomaterials and Applications		BSCPPHSDSE602		4 - 0 - 4			30	15	20	35		
Pool of Communication Courses offered as Ability Enhancement Compulsary Courses														
Discipline	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks
									Practical	Theoretical	Practical	Theoretical		
English/MIL Communication	II	English Communication	AE	AECCE201	AECC-2	4 - 0 - 0	4	NA		15		35	50	NA
		Bengali Communication		AECCEB201		4 - 0 - 0				15		35		
		Hindi Communication		AECCH201		4 - 0 - 0				15		35		
		Urdu Communication		AECU201		4 - 0 - 0				15		35		