

1. PROGRAM STRUCTURE

B.Sc. Nursing Program Structure			
I Semester 1. Communicative English 2. Applied Anatomy 3. Applied Physiology 4. Applied Sociology 5. Applied Psychology 6. *Nursing Foundations I Mandatory Module *First Aid as part of Nursing Foundation I Course	III Semester 1. Applied Microbiology and Infection Control including Safety 2. Pharmacology I 3. Pathology I 4. *Adult Health (Medical Surgical) Nursing I with integrated pathophysiology Mandatory Module *BCLS as part of Adult Health Nursing I	V Semester 1. *Child Health Nursing I 2. Mental Health Nursing I 3. Community Health Nursing I (including Environmental Science & Epidemiology) 4. Educational Technology/Nursing Education 5. Introduction to Forensic Nursing and Indian Laws Mandatory Modules *Essential Newborn Care (ENBC), Facility Based Newborn Care (FBNBC), IMNCI and PLS as part of Child Health Nursing	VII Semester 1. Community Health Nursing II 2. Nursing Research & Statistics 3. Midwifery/Obstetrics and Gynecology (OBG) Nursing II Mandatory Modules *Safe delivery app under OBG Nursing I/II (VI/VII Semester)
II Semester 1. Applied Biochemistry 2. Applied Nutrition and Dietetics 3. *Nursing Foundations II 4. Health/Nursing Informatics & Technology Mandatory Module *Health Assessment as part of Nursing Foundation II Course	IV Semester 1. *Pharmacology II 2. Pathology II & Genetics 3. Adult Health Nursing II with integrated pathophysiology including Geriatric Nursing 4. Professionalism, Professional Values & Ethics including Bioethics Mandatory Module *Fundamentals of Prescribing under Pharmacology II *Palliative care module under Adult Health Nursing II	VI Semester 1. Child Health Nursing II 2. Mental Health Nursing II 3. Nursing Management & Leadership 4. *Midwifery/Obstetrics and Gynecology (OBG) Nursing I Mandatory Module *SBA Module under OBG Nursing I/II (VI/VII Semester)	VIII Semester Internship (Intensive Practicum/Residency Posting)

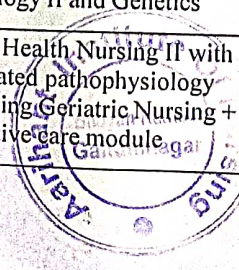
Note: No institute/University will modify the curriculum. However they can add units/subject in the syllabus as deemed necessary.

#Modules both mandatory and elective shall be certified by the institution/external agency.

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3. COURSES OF INSTRUCTION WITH CREDIT STRUCTURE

S.No	Semester	Course Code	Course/Subject Title	Theor y credits	Theor y Conta ct hours	Lab/ Skill Lab credits	Lab/ Skill Lab Conta ct hours	Clinical credits	Clinic al Conta ct hours	Total credits	Total (hours)
1	First	ENGL 101	Communicative English	2	40						40
		ANAT 105	Applied Anatomy	3	60						60
		PHYS 110	Applied Physiology	3	60						60
		SOCI 115	Applied Sociology	3	60						60
		PSYC 120	Applied Psychology	3	60						60
		N-NF (I) 125	Nursing Foundation I including First Aid module	6	120	2	80	2	160	10	360
		SSCC (I) 130	Self-study/Co-curricular								40+40
			TOTAL	20	400	2	80	2	160	20+2+2=24	640+80=720
2	Second	BIOC 135	Applied Biochemistry	2	40						40
		NUTR 140	Applied Nutrition and Dietetics	3	60						60
		N-NF (II) 125	Nursing Foundation II including Health Assessment module	6	120	3	120	4	320		560
		HNIT 145	Health/Nursing Informatics & Technology	2	40	1	40				80
		SSCC (II) 130	Self-study/Co-curricular								40+20
			TOTAL	13	260	4	160	4	320	13+4+4=21	780+60=840
3	Third	MICR 201	Applied Microbiology and Infection Control including Safety	2	40	1	40				80
		PHAR (I) 205	Pharmacology I	1	20						20
		PATH (I) 210	Pathology I	1	20						20
		N-AHN (I) 215	Adult Health Nursing I with integrated pathophysiology including BCLS module	7	140	1	40	6	480		660
		SSCC (I) 220	Self-study/Co-curricular								20
			TOTAL	11	220	2	80	6	480	11+2+6=19	780+20=800
4	Fourth	PHAR (II) 205	Pharmacology II including Fundamentals of prescribing module	3	60						60
		PATH (II) 210	Pathology II and Genetics	1	20						20
		N-AHN (II) 225	Adult Health Nursing II with integrated pathophysiology including Geriatric Nursing + Palliative Care module	7	140	1	40	6	480		660



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MANDATORY MODULES

The prepared modules/modules outlined by the Council such as Health Assessment & Fundamentals of Prescribing and available modules as National Guidelines (First Aid – NDMA, IMNCI, ENBC, FBNBC), Palliative Care, Safe Delivery App and SBA module will be provided in separate learning resource package.

For BCLS, PLS – Standard national/international modules can be used.

ELECTIVE MODULES

Number of electives to be completed: 3 (Every module = 1 credit = 20 hours)

III & IV Semesters: To complete any one elective by end of 4th semester across 1st to 4th semesters

- Human values
- Diabetes care
- Soft skills

V & VI Semesters: To complete any one of the following before end of 6th semester

- CBT
- Personality development
- Addiction psychiatry
- Adolescent health
- Sports health
- Accreditation and practice standards
- Developmental psychology
- Menopausal health
- Health Economics

VII & VIII Semesters: To complete any one of the following before end of 8th semester

- Scientific writing skills
- Lactation management
- Sexuality & Health
- Stress management
- Job readiness and employability in health care setting

2. CURRICULUM IMPLEMENTATION: OVERALL PLAN

Duration of the program: 8 semesters

1-7 Semesters

One Semester Plan for the first 7 Semesters

Total Weeks per Semester: 26 weeks per semester

Number of Weeks per Semester for instruction: 20 weeks (40 hours per week × 20 weeks = 800 hours)

Number of Working Days: Minimum of 100 working days (5 days per week × 20 weeks)

Vacation, Holidays, Examination and Preparatory Holidays: 6 weeks

Vacation: 3 weeks

Holidays: 1 week

Examination and Preparatory Holidays: 2 weeks

8th Semester

One semester: 22 weeks

Vacation: 1 week

Holidays: 1 week

Examination and Preparatory Holidays: 2 weeks



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S.No	Semester	Course Code	Course/Subject Title	Theor y credits	Theor y Conta ct hours	Lab/ Skill Lab credits	Lab/ Skill Lab Conta ct hours	Clinical credits	Clinic al Conta ct hours	Total credits	Total (hours)
		PROF 230	Professionalism, Professional Values and Ethics including bioethics	1	20						20
		SSCC(II) 220	Self-study/Co-curricular								40
			TOTAL	12	240	1	40	6	480	12+1+6=19	760+40=800
5	Fifth	N-CHN(I) 301	Child Health Nursing I including Essential Newborn Care (ENBC), FBNC, IMNCI and PLS, modules	3	60	1	40	2	160		260
		N-MHN(I) 305	Mental Health Nursing I	3	60			1	80		140
		N-COMH(I) 310	Community Health Nursing I including Environmental Science & Epidemiology	5	100			2	160		260
		EDUC 315	Educational Technology/Nursing Education	2	40	1	40				80
		N-FORN 320	Introduction to Forensic Nursing and Indian laws	1	20						20
		SSCC(I) 325	Self-study/Co-curricular								20+20
			TOTAL	14	280	2	80	5	400	14+2+5=21	760+40=800
6	Sixth	N-CHN(II) 301	Child Health Nursing II	2	40			1	80		120
		N-MHN(II) 305	Mental Health Nursing II	2	40			2	160		200
		NMLE 330	Nursing Management & Leadership	3	60			1	80		140
		N-MIDW(I) / OBGN 335	Midwifery/Obstetrics and Gynaecology (OBG) Nursing I including SBA module	3	60	1	40	3	240		340
		SSCC(II) 325	Self-study/Co-curricular								-
			TOTAL	10	200	1	40	7	560	10+1+7=18	800
7	Seventh	N-COMH(II) 401	Community Health Nursing II	5	100			2	160		260
		NRST 405	Nursing Research & Statistics	2	40	2	80				120
		N-MIDW(II)/ OBGN 410	Midwifery/Obstetrics and Gynaecology (OBG) Nursing II including Safe delivery app module	3	60	1	40	4	320		420

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S.No	Semester	Course Code	Course/Subject Title	Theor y credits	Theor y Conta ct hours	Lab/ Skill Lab credits	Lab/ Skill Lab Conta ct hours	Clinical credits	Clinic al Conta ct hours	Total credits	Total (hours)
			Self-study/Co-curricular								-
			TOTAL	10	200	3	120	6	480	10+3+6=19	800
8	Eight (Internship)	INTE 415	Community Health Nursing – 4 weeks								
		INTE 420	Adult Health Nursing – 6 weeks								
		INTE 425	Child Health Nursing – 4 weeks								
		INTE 430	Mental Health Nursing – 4 weeks								
		INTE 435	Midwifery – 4 weeks								
			TOTAL = 22 weeks					12 (1 credit = 4 hours per week per semester)			1056 {4 hours × 22 weeks = 88 hours × 12 credits = 1056 hours} (48 hours per week × 22 weeks)

1 credit theory – 1 hour per week per semester

1 credit practical/lab/skill lab/simulation lab – 2 hours per week per semester

1 credit clinical – 4 hours per week per semester

1 credit elective course – 1 hour per week per semester

Total Semesters = 8

(Seven semesters: One semester = 20 weeks × 40 hours per week = 800 hours)

(Eighth semester – Internship: One semester = 22 weeks × 48 hours per week = 1056 hours)

Total number of course credits including internship and electives – 156 (141+12+3)

Distribution of credits and hours by courses, internship and electives

S.No.	Credits	Theory (Cr/Hrs)	Lab (Cr/Hrs)	Clinical (Cr/Hrs)	Total credits	Hours
1	Course credits	90 credit per 1800 hours	15/600	36/2880	141	5280
2	Internship				12	1056

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3	Electives				3	60
	TOTAL				156	6396
4	Self-study and Co-curricular	Saturdays (one semester = 5 hours per week × 20 weeks × 7 semesters = 700 hours)			12	240
					35	700
					47	940

Distribution of credits, hours and percentage for theory and practicum (Skill Lab & Clinical) across eight semesters

S.No.	Theory & Practicum (Skill Lab & Clinical)	Credits	Hours	Percentage
1	Theory	90	1800	28
2	Lab/Skill Lab	15	600	10
3	Clinical	36	3936	62
	Total	141	6336 hours	100

Practicum (7 semesters) excluding internship

Lab/skill lab/simulation lab – 600 (17%)

Clinical – 2880 (83%)

Total – 3480

Lab/skill lab/simulation lab = 17% of the total practicum planned

Note: Besides the stipulated lab and clinical hours, a maximum of 13% (400-450 hours) from the clinical hours can be used in simulation lab/skill lab for skill lab/simulation learning and not to exceed 30% of total hours.

4. SCHEME OF EXAMINATION

The distribution of marks in internal assessment, End Semester College Exam, and End Semester University Exam for each course is shown below.

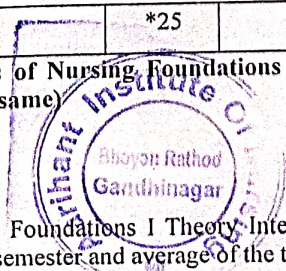
I SEMESTER

S.No.	Course	Assessment (Marks)				
		Internal	End Semester College Exam	End Semester University Exam	Hours	Total Marks
	Theory					
1	Communicative English	25	25		2	50
2	Applied Anatomy & Applied Physiology	25		75	3	100
3	Applied Sociology & Applied Psychology	25		75	3	100
4	Nursing Foundations I	*25				
	Practical					
5	Nursing Foundations I	*25				

*Will be added to the internal marks of Nursing Foundations II Theory and Practical respectively in the next semester (Total weightage remains the same)

Example:

Nursing Foundations Theory: Nursing Foundations I Theory Internal marks in 1st semester will be added to Nursing Foundations II Theory Internal in the 2nd semester and average of the two semesters will be taken



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II SEMESTER

I SEMESTER						
S.No.	Course	Assessment (Marks)				
		Internal	End Semester College Exam	End Semester University Exam	Hours	Total Marks
	Theory					
1	Applied Biochemistry and Applied Nutrition & Dietetics	25		75	3	100
2	Nursing Foundations (I & II)	25 I Sem-25 & II Sem-25 (with average of both)		75	3	100
3	Health/Nursing Informatics & Technology	25	25		2	50
	Practical					
4	Nursing Foundations (I & II)	50 I Sem-25 & II Sem-25		50		100

III SEMESTER

S.No.	Course	Assessment (Marks)				
		Internal	End Semester College exam	End Semester University Exam	Hours	Total marks
	Theory					
1	Applied Microbiology and Infection Control including Safety	25		75	3	100
2	Pharmacology I and Pathology I	*25				
3	Adult Health Nursing I	25		75	3	100
	Practical					
4	Adult Health Nursing I	50		50		100

*Will be added to the internal marks of Pharmacology II and Pathology II & Genetics in the next semester (Total weightage remains the same).

IV SEMESTER

S.No.	Course	Assessment (Marks)				
		Internal	End Semester College exam	End Semester University Exam	Hours	Total marks
	Theory					
1	Pharmacology & Pathology (I & II) and Genetics	25 III Sem-25 & IV Sem-25 (with average of		75	3	100

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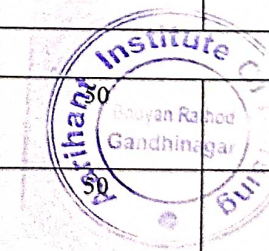


2	Mental Health Nursing (I & II)	25 Sem V-25 & Sem VI-25 (with average of both)		75	3	100
3	Nursing Management & Leadership	25		75	3	100
4	Midwifery/Obstetrics & Gynecology I	*25				
Practical						
5	Child Health Nursing (I & II)	50 (Sem V-25 & Sem VI-25)		50		100
6	Mental Health Nursing (I & II)	50 (Sem V-25 & Sem VI-25)		50		100
7	Midwifery/Obstetrics & Gynecology I	*25				

*Will be added to Internal marks of Midwifery II theory and practical respectively in the next semester (Total weightage remains the same)

VII SEMESTER

S.No.	Course	Assessment (Marks)				
		Internal	End Semester College Exam	End Semester University Exam	Hours	Total marks
	Theory					
1	Community Health Nursing II	25		75	3	100
2	Nursing Research & Statistics	25		75	3	100
2	Midwifery/Obstetrics and Gynecology (OBG) Nursing (I & II)	25 Sem VI-25 & Sem VII-25 (with average of both)		75	3	100
	Practical					
3	Community Health Nursing II	50				100
4	Midwifery/Obstetrics and Gynecology (OBG) Nursing (I & II)	50 (Sem VI-25 & Sem VII-25)				100



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		both)				
2	Adult Health Nursing II	25		75	3	100
3	Professionalism, Ethics and Professional Values	25	25		2	50
	Practical					
4	Adult Health Nursing II	50		50		100

V SEMESTER

S.No.	Course	Assessment (Marks)				
		Internal	End Semester College exam	End Semester University Exam	Hours	Total marks
	Theory					
1	Child Health Nursing I	*25				
2	Mental Health Nursing I	*25				
3	Community Health Nursing I including Environmental Science & Epidemiology	25		75	3	100
4	Educational Technology/Nursing Education	25		75	3	100
5	Introduction to Forensic Nursing and Indian Laws	25	25		2	50
	Practical					
6	Child Health Nursing I	*25				
7	Mental Health Nursing I	*25				
8	Community Health Nursing I	50		50		100

*Will be added to the internal marks of Child Health Nursing II and Mental Health Nursing II in both theory and practical respectively in the next semester (Total weightage remains same).

VI SEMESTER

S.No.	Course	Assessment (Marks)				
		Internal	End Semester College exam	End Semester University Exam	Hours	Total marks
	Theory					
1	Child Health Nursing (I & II)	25 Sem V-25 & Sem VI-25 (with average of both)		75	3	100



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VIII SEMESTER

S.No.	Course	Assessment (Marks)				
		Internal	End Semester College Exam	End Semester University Exam	Hours	Total marks
	Practical					
1	Competency Assessment	100		100		200



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SUBJECT AND TEACHING SCHEDULE

COURSE OF STUDY

S.NO	SUBJECT	HOURS THEORY	HOURS PRACTICAL
1 Year			
1	Nursing Foundation	45	-
2	Nutrition & dietetics	30	15
3	Biochemistry & Biophysics	60	-
4	Psychology	60	15
5	Maternal Nursing	60	240
6	Child Health Nursing	60	240
7	Microbiology	60	30
8	Medical & Surgical Nursing	90	270
9	English (Qualifying)	60	-
Total		525	810
Note: Hindi /Local Language as per the need of institution			
2nd Year			
10	Sociology	60	-
11	Community Health Nursing	60	240
12	Mental Health Nursing	60	240
13	Introduction to Nursing Education	60	75
14	Introduction to Nursing Administration	60	180
15	Introduction to Nursing Research & Statistics	45	120
16.	Environmental Science	50	-
Total		395	855

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SCHEME OF EXAMINATION

Paper	Subject	Duration	Int. Asst	Ext. Asst	Total Marks
Theory	1st Year				
1	Nursing Foundation				
2	Nutrition & Dietetics	2	15	35	50
3	Biochemistry & Biophysics	2	15	35	50
4	Psychology	3	25	75	100
5	Maternal Nursing	3	25	75	100
6	Child Health Nursing	3	25	75	100
7	Microbiology	3	25	75	100
8	Medical & Surgical Nursing	3	25	75	100
9	English (Qualifying)*	3	25	75	100
	Practical				
1	Medical & Surgical Nursing		50	50	100
2	Maternal Nursing		50	50	100
3	Child Health Nursing		50	50	100
	2nd Year				
10	Sociology	3	25	75	100
11	Community Health Nursing	3	25	75	100
12	Mental Health Nursing	3	25	75	100
13	Introduction To Nursing Education	3	25	75	100
14	Introduction To Nursing Administration	3	25	75	100
15	Introduction To Nursing Research & Statistics**	2	50	50	100
16.	Environmental science**	2	25	75	100
Practical					
1	Community Health Nursing	3	50	50	100
2	Mental Health Nursing	3	50	50	100

Note: * Qualifying Examination

** College Examination (not University Examination)

N.B:

- Teaching of Anatomy, Physiology, Pharmacology and Pathology will be integrated with clinical subjects
- A minimum of 80% Attendance in theory and Practical in each subject is essential for appearing in the examination.
- 100% attendance in practical in each clinical area is essential before award of degree.
- 50% of minimum marks in each theory and practical paper separately is required for passing.
- A candidate has to secure minimum of 33% in qualifying subject for passing.

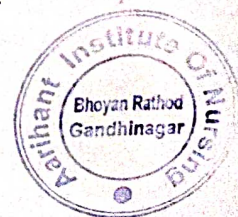
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Aarohant Ayurvedic Medical College and Research Institute, Gandhinagar
Teaching Scheme as proposed by CCIM/ NCISM

BAMS 4th Professional

Sr. no.	Subject name	Papers	Theory marks	Practical marks	Total	Teaching hours
1.	Kayachikitsa	2	200 (100 each)	100	300	200+100
2.	Panchkarma	1	100	50	150	100+clinical postings 3 months
3.	Shalya Tantra	2	200 (100 each)	100	300	200 + Clinical Training (Indoor and Outdoor) 09 Months • Shalya (Samanya) 03 Months (at least one month in OT) • Shalya (Kshara and Anushastra Karma) 03 Months (at least one month in OT) • Asthi and Sandhi Chikitsa (Orthopaedics and 02 Months Trauma) • Anaesthesia 15 days • Radiology 15 days
4.	Shalakya tantra	2	200 (100 marks each)	100	300	200 + Clinical posting 04 Months (OPD, IPD, OT, and kriya kalpa)
5.	Research methodology and Medical statistics	1	50	-	50	-



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BACHELOR OF HOMOEOPATHIC MEDICINE & SURGERY
[B.H.M.S.]

PROGRAMME CODE- 7

2022-23 / TEACHING SCHEME

1ST BHMS PROGRAMME [CBDC]

NAME OF COURSE	THEORY HOURS	PRACTICAL/CLINICAL HOURS
HUMAN ANATOMY	325	330
PHYSIOLOGY & BIOCHEMISTRY	325	330
HOMOEOPATHIC PHARMACY	100	110
HOMOEOPATHIC MATERIA MEDICA	120	75
ORGANON OF MEDICINE	180	100
HOMOEOPATHIC REPERTORY	21	----
YOGA	10	20


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Swarnim Startup & Innovation University

SWARNIM SCIENCE COLLEGE

Master of Science (M.Sc.) Environment Science

Masters- Teaching scheme, syllabus & examination pattern

	Semester 1															
Sr. No.	Subject Code	Subject Name	Credit	Teaching scheme per week				Examination								Total
				Th	Tut	Practical	Total	Internal				External				
								Th	PASSING	Pr	PASSING	Th	PASSING	Pr	PASSING	
1	256060101	Environmental Science and Ecology	4	4	-	-	4	30	12	-	-	70	25	-	-	100
2	256060102	Environmental Issues and Impacts	4	4	-	-	4	30	12	-	-	70	25	-	-	100
3	256060103	Energy and Environment	4	4	-	-	4	30	12	-	-	70	25	-	-	100
4	256060104	Environment an Soil	4	4	-	-	4	30	12	-	-	70	25	-	-	100
5	256060105	Practicals	8	-	-	12	12	-	-	200	80	-	-	-	-	200
6	23000007	INTRODUCTION TO ENTREPRENEUSHIP	3	3	-	-	3	50	20	-	-	50	20	-	-	100
		Total	27	19	-	12	28	170	-	200	-	330	-	-	-	600

	Semester 2															
Sr. No.	Subject Code	Subject Name	Credit	Teaching scheme per week				Examination								Total
				Th	Tut	Practical	Total	Internal				External				
								Th	PASSING	Pr	PASSING	Th	PASSING	Pr	PASSING	
1	256060201	Water Quality And Wastewater Treatment Techniques	4	4	-	-	4	30	12	-	-	70	25	-	-	100
2	256060202	Integrated Solid Waste Management	4	4	-	-	4	30	12	-	-	70	25	-	-	100
3	256060203	Aquatic And Marine Environmental	4	4	-	-	4	30	12	-	-	70	25	-	-	100
4	256060204	Air Pollution: Quality And Control Methods	4	4	-	-	4	30	12	-	-	70	25	-	-	100
5	256060205	Practicals	8	-	-	12	12	-	-	200	80	-	-	-	-	200
6	23000013	Preparing Wider Horizon for Entrepreneurship	3	3	-	-	3	50	20	-	-	50	20	-	-	100
		Total	27	19	-	12	28	120	-	200	-	330	-	-	-	600



SWARNIM STARTUP & INNOVATION UNIVERSITY

SWARNIM SCIENCE COLLEGE

B.SC BIOTECHNOLOGY

Teaching scheme & examination pattern

5th Semester

Subject Code	Subject Name	Credit	Teaching scheme per week				Examination				Total Marks	Remark
			Th	Tut	Pr	Total	Internal		External			
							Th	Pr	Th	Pr		
253010501	Fermentation Technology-I	3	3	-	-	3	30	-	70	-	100	Passing in each Component is not compulsory
253010502	Molecular Techniques	3	3	-	-	3	30	-	70	-	100	
253010503	Environmental Biotechnology	3	3	-	-	3	30	-	70	-	100	
253010504	Genetic Engineering and Tissue culture	3	3	-	-	3	30	-	70	-	100	
253010505	Biotechnology Practicals	10	-	12	-	12	-	-	-	200	200	
12300013	Advanced Program in Entrepreneurship	3	-	-	3	3	50	-	50	-	100	
		25	12	12	3	27	170	0	330	200	700	

6th Semester

4th Semester												
Subject Code	Subject Name	Credit	Teaching scheme per week				Examination				Total Marks	Remark
			Th	Tut	Pr	Total	Internal		External			
							Th	Pr	Th	Pr		
253010601	Fermentation Technology-II	3	3	-	-	3	30	-	70	-	100	Passing in each Component is not compulsory
253010602	Enzymology	3	3	-	-	3	30	-	70	-	100	
253010603	Molecular Biology-II	3	3	-	-	3	30	-	70	-	100	
253010604	Biosafety, Bioethics & IPR	3	3	-	-	3	30	-	70	-	100	
253010605	Biotechnology Practicals	10	-	12	-	12	-	-	-	200	200	
12300014	Start-Up Project	3	-	-	3	3	-	50	-	50	100	
		25	12	12	3	27	120	50	280	250	700	



SWARNIM STARTUP & INNOVATION UNIVERSITY
SWARNIM SCIENCE COLLEGE

B.SC CHEMISTRY

Teaching scheme & examination pattern

5th Semester

Subject Code	Subject Name	Credit	Teaching scheme per week				Examination				Total Marks	Remark
			Th	Tut	Pr	Total	Internal		External			
							Th	Pr	Th	Pr		
253020501	Organic Chemistry - C- I	3	3	-	-	3	30	-	70	-	100	Passing in each Component is not compulsory
253020502	Inorganic Chemistry - C- I	3	3	-	-	3	30	-	70	-	100	
253020503	Physical Chemistry - C- I	3	3	-	-	3	30	-	70	-	100	
253020504	Analytical Chemistry - C- I	3	3	-	-	3	30	-	70	-	100	
253020505	Chemistry Practicals	10	-	12	-	12	-	-	-	200	200	
12300013	Advanced Program in Entrepreneurship	3	-	-	3	3	50	-	50	-	100	
		25	12	12	3	27	170	0	330	200	700	

6th Semester

Subject Code	Subject Name	Credit	Teaching scheme per week				Examination				Total Marks	Remark
			Th	Tut	Pr	Total	Internal		External			
							Th	Pr	Th	Pr		
253020601	Organic Chemistry - C- II	3	3	-	-	3	30	-	70	-	100	Passing in each Component is not compulsory
253020602	Inorganic Chemistry - C- II	3	3	-	-	3	30	-	70	-	100	
253020603	Physical Chemistry - C- II	3	3	-	-	3	30	-	70	-	100	
253020604	Analytical Chemistry - C- II	3	3	-	-	3	30	-	70	-	100	
253020605	Chemistry Practicals	10	-	12	-	12	-	-	-	200	200	
12300014	Start-Up Project	3	-	-	3	3	-	50	-	50	100	
		25	12	12	3	27	120	50	280	250	700	



SWARNIM STARTUP & INNOVATION UNIVERSITY
SWARNIM SCIENCE COLLEGE

B.SC MATHEMATICS

Teaching scheme & examination pattern

5th Semester

Subject Code	Subject Name	Credit	Teaching scheme per week				Examination				Total Marks	Remark
			Th	Tut	Pr	Total	Internal		External			
							Th	Pr	Th	Pr		
253030501	Complex Analysis	3	3	-	-	3	30	-	70	-	100	Passing in each Component is not compulsory
253030502	Operation Research	3	3	-	-	3	30	-	70	-	100	
253030503	Discrete Mathematics	3	3	-	-	3	30	-	70	-	100	
253030504	Abstract Algebra-1	3	3	-	-	3	30	-	70	-	100	
253030505	Mathematics Practicals	10	-	12	-	12	-	-	-	200	200	
12300013	Advanced Program in Entrepreneurship	3	-	-	3	3	50	-	50	-	100	
		25	12	12	3	27	170	0	330	200	700	

6th Semester

Subject Code	Subject Name	Credit	Teaching scheme per week				Examination				Total Marks	Remark
			Th	Tut	Pr	Total	Internal		External			
							Th	Pr	Th	Pr		
253030601	Analysis II	3	3	-	-	3	30	-	70	-	100	Passing in each Component is not compulsory
253030602	Abstract Algebra II	3	3	-	-	3	30	-	70	-	100	
253030603	Analysis III	3	3	-	-	3	30	-	70	-	100	
253030604	Graph Theory	3	3	-	-	3	30	-	70	-	100	
253030605	Mathematics Practicals	10	-	12	-	12	-	-	-	200	200	
12300014	Start-Up Project	3	-	-	3	3	-	50	-	50	100	
		25	12	12	3	27	120	50	280	250	700	



SWARNIM STARTUP & INNOVATION UNIVERSITY

SWARNIM SCIENCE COLLEGE

B.SC MICROBIOLOGY

Teaching scheme & examination pattern

5th Semester

Subject Code	Subject Name	Credit	Teaching scheme per week				Examination				Total Marks	Remark
			Th	Tut	Pr	Total	Internal		External			
							Th	Pr	Th	Pr		
253040501	Fermentation Technology-I	3	3	-	-	3	30	-	70	-	100	Passing in each Component is not compulsory
253040502	Bacterial Metabolism	3	3	-	-	3	30	-	70	-	100	
253040503	Enzymology	3	3	-	-	3	30	-	70	-	100	
253040504	Biosafety, Bioethics & IPR	3	3	-	-	3	30	-	70	-	100	
253040505	Microbiology Practicals	10	-	12	-	12	-	-	-	200	200	
12300013	Advanced Program in Entrepreneurship	3	-	-	3	3	50	-	50	-	100	
		25	12	12	3	27	170	0	330	200	700	

6th Semester

Subject Code	Subject Name	Credit	Teaching scheme per week				Examination				Total Marks	Remark
			Th	Tut	Pr	Total	Internal		External			
							Th	Pr	Th	Pr		
253040601	Fermentation Technology-II	3	3	-	-	3	30	-	70	-	100	Passing in each Component is not compulsory
253040602	Medical Microbiology	3	3	-	-	3	30	-	70	-	100	
253040603	Immunology-II	3	3	-	-	3	30	-	70	-	100	
253040604	Environmental Microbiology	3	3	-	-	3	30	-	70	-	100	
253040605	Microbiology Practicals	10	-	12	-	12	-	-	-	200	200	
12300014	Start-Up Project	3	-	-	3	3	-	50	-	50	100	
		25	12	12	3	27	120	50	280	250	700	



SWARNIM STARTUP & INNOVATION UNIVERSITY

SWARNIM SCIENCE COLLEGE

B.SC PHYSICS

Teaching scheme & examination pattern

5th Semester

Subject Code	Subject Name	Credit	Teaching scheme per week				Examination				Total Marks	Remark
			Th	Tut	Pr	Total	Internal		External			
							Th	Pr	Th	Pr		
253050501	Mathematical Physics, Quantum & Classical Mechanics-1	3	3	-	-	3	30	-	70	-	100	Passing in each Component is not compulsory
253050502	Electronic Spectra-1, Solid State Physics & Stat. Mech-1	3	3	-	-	3	30	-	70	-	100	
253050503	Nuclear physics-1 & Electrodynamics-1	3	3	-	-	3	30	-	70	-	100	
253050504	Linear Electronic Circuits-1	3	3	-	-	3	30	-	70	-	100	
253050505	Physics Practicals	10	-	12	-	12	-	-	-	200	200	
12300013	Advanced Program in Entrepreneurship	3	-	-	3	3	50	-	50	-	100	
		25	12	12	3	27	170	0	330	200	700	

6th Semester

Subject Code	Subject Name	Credit	Teaching scheme per week				Examination				Total Marks	Remark
			Th	Tut	Pr	Total	Internal		External			
							Th	Pr	Th	Pr		
253050601	Mathematical Physics, Quantum & Classical Mechanics-2	3	3	-	-	3	30	-	70	-	100	Passing in each Component is not compulsory
253050602	Electronic Spectra-2, Solid State Physics & Stat. Mech-2	3	3	-	-	3	30	-	70	-	100	
253050603	Nuclear physics-2 & Electrodynamics-2	3	3	-	-	3	30	-	70	-	100	
253050604	Linear Electronic Circuits-2	3	3	-	-	3	30	-	70	-	100	
253050605	Physics Practicals	10	-	12	-	12	-	-	-	200	200	
12300014	Start-Up Project	3	-	-	3	3	-	50	-	50	100	
		25	12	12	3	27	120	50	280	250	700	

