

**Course Structure & Syllabus of Bachelor of Science in Nursing
Applicable for Batch: 2024-28**

DIT UNIVERSITY

DEHRADUN



**Detailed Course Structure & Syllabus of
Bachelor of Science in Nursing**

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.

COURSES OF INSTRUCTION WITH CREDIT STRUCTURE

S.No	Semester	Course Code	Course/Subject Title	Theor y credits	Theor y Contact hours	Lab/ Skill Lab credits	Lab/ Skill Lab Contact hours	Clinical credits	Clinic al Contact 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	740+60 = 800
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

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 (Project- 40)		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

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					1056		
				(1 credit = 4 hours per week per semester)					{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
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 35	240 700
					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.

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

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 \times 20 weeks = 800 hours) Number of Working Days:

Minimum of 100 working days (5 days per week \times 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.

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.

II SEMESTER

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

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 & III Sem-25 (with average of both)		75	3	100
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)	25Sem V-25 & Sem VI-25 (with average ofboth)		75	3	100
2	Mental Health Nursing (I & II)	25Sem V-25 & Sem VI-25 (with average ofboth)		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				

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		50		100
4	Midwifery/Obstetrics and Gynecology (OBG) Nursing (I & II)	50 (Sem VI-25 & Sem VII-25)		50		100

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

EXAMINATION REGULATIONS

Note:

1. Applied Anatomy and Applied Physiology: Question paper will consist of Section-A Applied Anatomy of 37 marks and Section-B Applied Physiology of 38 marks.
2. Applied Sociology and Applied Psychology: Question paper will consist of Section-A Applied Sociology of 37 marks and Section-B Applied Psychology of 38 marks.

3. Applied Microbiology and Infection Control including Safety: Question paper will consist of Section-A Applied Microbiology of 37 marks and Section-B Infection Control including Safety of 38 marks.
4. Applied Nutrition and Dietetics and Applied Biochemistry: Question paper will consist of Section-A Applied Nutrition and Dietetics of 50 marks and Section-B Biochemistry of 25 marks.
5. Pharmacology, Genetics and Pathology: Question paper will consist of Section-A of Pharmacology with 38 marks, Section-B of Pathology with 25 marks and Genetics with 12 marks.
6. Nursing Research and Statistics: Nursing Research should be of 55 marks and Statistics of 20 marks.
7. A candidate must have minimum of 80% attendance (irrespective of the kind of absence) in theory and practical in each course/subject for appearing for examination.
8. A candidate must have 100% attendance in each of the practical areas before award of degree.
9. Following exams shall be conducted as College exam and minimum pass is 50% (C Grade) and to be sent to the University for inclusion in the marks sheet and shall be considered for calculating aggregate.
 - i. Communicative English
 - ii. Health/Nursing Informatics and Technology
 - iii. Professionalism, Professional Values and Ethics including Bioethics
 - iv. Introduction to Forensic Nursing & Indian Laws
10. Minimum pass marks shall be 40% (P grade/4 point) for English only and elective modules.
11. Minimum pass marks shall be 50% in each of the Theory and practical papers separately except in English.
12. The student has to pass in all **mandatory modules** placed within courses and the pass mark for each module is 50% (C Grade). The allotted percentage of marks will be included in the internal assessment of College/University Examination (Refer Appendix 2).
13. A candidate has to pass in theory and practical exam separately in each of the paper.
14. If a candidate fails in either theory or practical, he/she has to re-appear for both the papers (Theory and Practical).
15. If the student has failed in only one subject and has passed in all the other subjects of a particular semester and Grace marks of up to 5 marks to theory marks can be added for one course/subject only, provided that by such an addition the student passes the semester examination.
16. The candidate shall appear for exams in each semester:
 - i. The candidate shall have cleared all the previous examinations before appearing for fifth semester examination. However, the candidates shall be permitted to attend the consecutive semesters.
 - ii. The candidate shall have cleared all the previous examinations before appearing for seventh semester examination. However, the candidates shall be permitted to attend the

consecutive semesters.

- iii. The candidate shall have cleared all the previous examination before appearing for final year examination.
- iv. The maximum period to complete the course successfully should not exceed 8 years.

17. The candidate has to pass separately in internal and external examination (shall be reflected in the marks sheet). No institution shall submit average internal marks of the students not more than 75% (i.e. if 40 students are admitted in a course the average score of the 40 students shall not exceed 75% of total internal marks).

18. At least 50% of the Non-nursing subjects like Applied Anatomy & Physiology, Applied Biochemistry, Applied Psychology & Sociology, Applied Microbiology, Pharmacology, Genetics, Nutrition & Dietetics, Communicative English and Health/Nursing Informatics & Technology should be taught by the Nursing teachers. Teachers who are involved in teaching non-nursing subjects can be the examiners for the program.

19. Maximum number of candidates for practical examination should not exceed 20 per day. Particular year and of same institution batch shall be examined by the same set of examiners.

20. All practical examinations must be held in the respective clinical areas.

21. One internal and one external examiner should jointly conduct practical examination for each student.

22. An examiner for theory and practical/OSCE examination should be an Assistant Professor or above in a College of Nursing with M.Sc. (Nursing) in concerned subject and minimum 3 years of teaching experience. To be an examiner for Nursing Foundations course, the faculty having M.Sc. (Nursing) with any specialty shall be considered.

ASSESSMENT GUIDELINES

Grading of Performance

Based on the performance, each student shall be awarded a final grade at the end

Of the semester for each course. Absolute grading is used by converting the marks to grade, based on predetermined class intervals. UGC 10 point grading system is used with pass grade modified.

Letter grade	Grade point	Percentage of marks
O (Outstanding)	10	100%
A+ (Excellent)	9	90-99.99%
A (Very Good)	8	80-89.99%
B+ (Good)	7	70-79.99%
B (Above Average)	6	60-69.99%
C (Average)	5	50-59.99%
P (Pass)	4	40-49.99%
F (Fail)	0	

For Nursing Courses and all other courses – Pass is at C Grade (5 grade point) 50% and above
For English and electives – Pass is at P Grade (4 grade point) 40% and above

Computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA)

SPGA is the weighted average of the grade points obtained in all courses by the student during the semester (All courses excluding English and electives)

Ex. SGPA Computation

Course Number	Credit/s	Letter grade	Grade point	Credit point (Credit × grade)
1	3 (C1)	A	8 (G1)	$3 \times 8 = 24$
2	4 (C2)	B+	7 (G2)	$4 \times 7 = 28$
3	3 (C3)	B	6 (G3)	$3 \times 6 = 18$

$$\text{SGPA} = \frac{C1G1 + C2G2 + C3G3}{C1 + C2 + C3}$$

$$= \frac{70}{10} = 7 \text{ (rounded off to two decimal points)}$$

Computation of CGPA

CGPA is calculated with SGPA of all semesters to two decimal points and is indicated in final grade in mark card/transcript showing grades of all 8 semesters and their courses/subjects.

CGPA reflects the failed status in case of fail till the course/s are passed.

Semester I	Semester 2	Semester 3	Semester 4
Credit Cr: 20	Cr: 22	Cr: 25	Cr: 26
SGPA: 6.5	$\text{SGPA} = \frac{577.5}{93} = 6.2$	SGPA: 5.5	SGPA: 6.0
$\text{Cr} \times \text{SGPA} = 20 \times 6.5$			

$$\text{CGPA} = \frac{20 \times 6.5 + 22 \times 7 + 25 \times 5.5 + 26 \times 6}{93}$$

$$= \frac{577.5}{93} = 6.2$$

Transcript Format

Based on the above recommendation on letter grades, grade points, SPGA and CGPA, the transcript shall be issued for each semester with a consolidated transcript indicating the performance in all semesters.

Declaration of Pass

First Class with Distinction – CGPA
of 7.5 and above
First Class – CGPA
of 6.00-7.49

Second Class – CGPA of 5.00-5.99

Internal Assessment and Guidelines

The marks distribution of internal assessment is shown in Appendix 1
and the specific guidelines in Appendix 2.

University Theory and Practical Examination Pattern

The theory question paper pattern and practical exam pattern are shown in
Appendix 3.