

মূল মুদ্রণ কপি যথাশীঘ্র
সরবরাহ করা হবে

Curriculum for B.Sc. in Nursing

2018



Bangladesh Nursing and Midwifery Council

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B. Sc in Nursing Curriculum 2018

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Prepared by

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B. Sc. in Nursing Programme

Curriculum Title

Curriculum for B. Sc. in Nursing 2018

Degree Awarded

Bachelor of Science in Nursing

B. Sc in Nursing Curriculum

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Curriculum for B. Sc in Nursing

Curriculum Title:

Curriculum for B. Sc in Nursing

Degree Awarded:

Bachelor of Science in Nursing

Goal:

The overall goal of Bachelor of Science in Nursing degree is to produce competent professional nurses who will be able to demonstrate their knowledge, skills and attitude to provide quality of nursing and midwifery care in the aspects of practical field to meet expected needs and expectations and to promote, maintain and restore health of individuals, families and communities in common, simple and complex health problems/situations.

Objectives:

The objectives of this course are to develop a professional nurse who will be able to:

1. Demonstrate knowledge in:

- 1.1 Applied and human sciences;
- 1.2 Nursing science focusing on nursing process, holistic nursing, community-oriented nursing and in-depth knowledge requiring for making clinical nursing judgment in common, simple and complex health problems/situations of nursing clients across the life-span and across health-illness continuum;
- 1.3 Nursing leadership and management;
- 1.4 National health care policy;
- 1.5 Emerging local and global health issues;
- 1.6 Research and evidence-based nursing; and

2. Demonstrate skills in:

- 2.1 Using nursing process with in-depth knowledge-based on clinical skills and critical thinking skills in caring for patients with common, simple, and complex health problems/situations

- across the life-span and across health-illness continuum in order to promote, maintain, and restore health;
- 2.2 Providing patient -centered and holistic care with caring behaviors;
 - 2.3 Carrying out knowledge-based and community-oriented nursing practice with positive attitudes, ethical behaviors and accountability in accordance with the BNMC rules, regulations and professional standards;
 - 2.4 Communicating effectively with nursing clients, nursing members, physicians, and other health care providers;
 - 2.5 Working collaboratively in a health care team as a member or a novice leader of the nursing care team;
 - 2.6 Leading and managing as a novice in-charge nurse;
 - 2.7 Guiding and fostering good clinical environment to nursing students and other support staff who work under nursing supervision;
 - 2.8 Thinking critically and committing to self-directed learning;
 - 2.9 Carrying out simple nursing research project;
 - 2.10 Carrying out evidence-based nursing practice;
3. Appreciate people as a nurse, have positive attitudes towards patients, society, profession of nursing and self-directed lifelong learning.

Curriculum Framework

The B.Sc. in nursing course is designed to offer a sequence of learning experiences, from simple to complex. The curriculum framework (Figure 1) incorporates situations significant to nursing in dealing with health of individuals, families, and communities within the health-illness continuum and throughout human developmental stages (from newborn to elders, including pregnancy) for achieving nursing goals (promoting, maintaining and restoring health). Essential competencies required for quality nursing and midwifery care is integrated throughout the curriculum.

These include competencies in:

1. Using nursing process in common, simple, and complex health problems/situations with the considerations of patient -centered, holistic, community-oriented, and knowledge-based nursing;
2. Carrying out ethical behaviors and concerning ethical and legal issues;

3. Developing management and leadership skills; and
4. Developing self-directed and life-long learning skills.

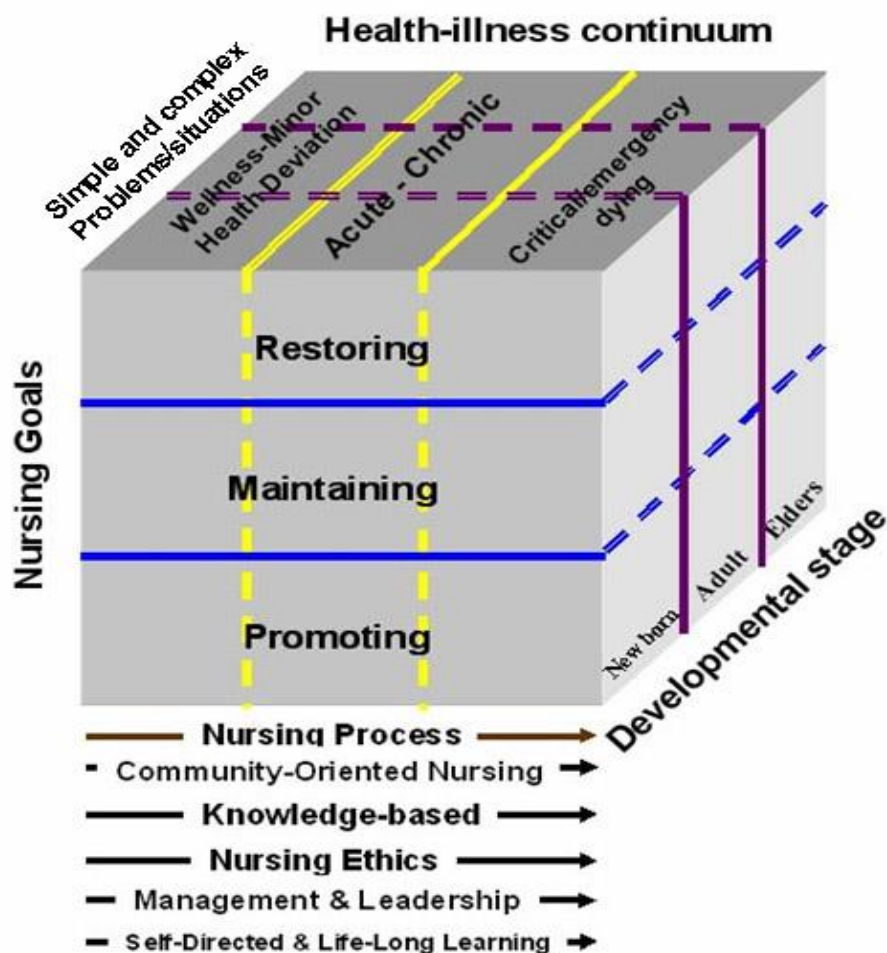


Figure 1: Curriculum Framework of the B.Sc. in Nursing Course

Curriculum Design:

The curriculum is dynamic with provision for incorporating emerging health problems and changing health policies as well as latest advancement in health sciences. The B.Sc. in nursing programme is designed to incorporate (1) General courses (2) Foundation courses to furnish students with essential, in-depth knowledge relevant to health and nursing and (3) professional courses for nursing and midwifery. The courses are sequenced from year one to year four, from simple to complex, with an attempt to increase students' competencies overtime.

Curriculum Structure:

The B. Sc. in nursing course will be of four years duration for professional competencies and skill development. Each academic year consists of 52 weeks. Out of 52 weeks, 44 weeks will be reserved for theory, laboratory classes, clinical practice, field visit, revision class, term exam and final exams. Remaining 8 weeks will be used for students' preparation, exams break and leave. This break may also allow time for students who fail a course to take re-exam, or to do additional study like assignment & practice to improve their academic performance in order to fulfill the requirement of the course.

Each week consists of 6 working days and 6 hours a day for theory & lab. So for theory and lab session a week consists of 36 hours. Each week consists of 6 working days and 8 hours a day for clinical practice. So for practice, a week consists of 48 hours.

Each year is divided into two terms of 26-week of duration, which assist to implement the curriculum in gradual and uniform manner. Term examination will be held in 22 week & 23 week for assisting students to identify their progress & marks will be added in final examination with written as formative assessment. However, the individual institutions may conduct the term examination according to the convenient time of the institution.

Methods of selection:

1. Minimum qualifications will HSC or equivalent with biology.
2. Student will be selected on the basis of admission test.
3. Admission test will be conducted as per Act. of BNMC 2016.
4. Successful candidates must be performed medical fitness check-up before admission.

Duration of the Programme:

A period of four (4) years of education is compulsory for B. Sc. in Nursing Programme. Total hours are 5832 in four years course. Academic year will start from January in each year. After completion of the program every student has to perform 06 (six) months internship in an appropriate clinical areas/hospitals according to logbook. On the successful completion of the course, the student is required to take the BNMC comprehensive examination for licensing as a registered nurse.

Student Registration:

After admission student should complete their BSc in Nursing student registration as per BNMC Act (Act No. 48 of 2016) Clause-5 (TA) and rules, regulations of concerned university. The validity of the student registration will be of 8 Years.

Time limits for completion of B.Sc. in Nursing Degree:

Ideally four years will be required for the completion of Bachelor of Science in nursing programme. If students fail in any year, they will get maximum 3 (three) chances to pass the examination. For 4th times appearing, the candidate will be required special permission from the Dean, Faculty of Medicine/Nursing provided the candidate would have to drop one year final examination. In case of failure in the 5th time, she/he might take permission from the Vice Chancellor for appearing the next examination. However, it should be happened once in the 4 years academic course.

Medium of Instruction:

English language is used as a medium of instruction with supplemental Bangla language as necessary.

Teaching System:

Colleges may have their own preference for conducting the teaching sessions. Teaching (theory and practice) sessions may be arranged either in block or study day system.

Students' practical placement:

Rotation plan for clinical and field practice of the students will be initially planned by the concerned teacher, which will be finalized through a discussion with hospital nursing authority/director. Effective communication and coordination between college and hospital personnel is essential in this regard.

Methods of Teaching:

Teaching strategies and learning experiences used throughout the programme are those appropriate for adult learners. Interactive teaching-learning methods are carefully selected to facilitate active learning and critical thinking based on the adult learning cycle.

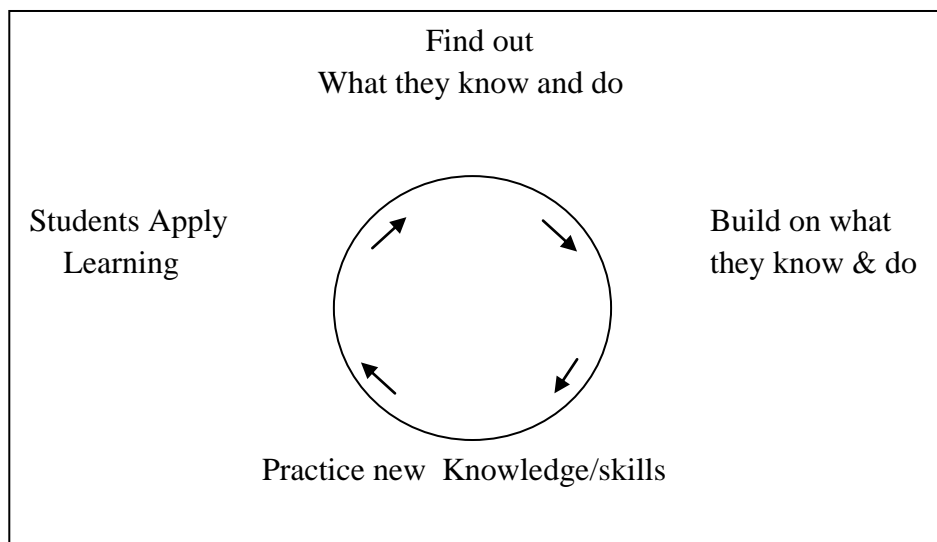


Figure 1: Adult learning cycle

Teaching-learning strategy is the provision of theoretical information followed by opportunities to apply the knowledge in a real or simulated situation. In a similar way practical skills are first demonstrated, and each student subsequently practicing the skills themselves, in a controlled context, to achieve competence. Once basic competence is obtained, the students practice the skills in real situation. Interactive teaching-learning methods such as lecture, demonstration, discussion, role-play, case study, simulation, group work etc. will be used with various teaching aids. These methods encourage cooperative working and prepare nurses for their role as members of health team. The external specialists (guest lecturers) may be used for teaching of some part of courses for the benefit of students. There should be a provision for student counselling & tutorial classes to resolve the academic and personal problems related to study.

Examination System & Distribution of Marks:

1. Regular final examination will be held twice in each academic year in December and June under the concerned university;
2. Each examination will be considered as regular;
3. Each academic year is divided into two terms of 26-week of duration.
4. A term examination will also be conducted internally in the each academic year by the individual institution/college;
5. A student must appear in each year final examination. In order to pass each year of the overall course, a student must achieve a pass grade in all subjects in that year. In order to pass a subject, a student must pass in each individual assessment area of that specific subject;
6. Assessment area includes written and/or oral and/or practical/clinical of that specific subject;
7. Student who fails (obtains less than 60%) in any part of the subject(s), she/he will appear in the next exam;
8. If a student fails in the first year exam, she/he will get maximum four chances for passing the examination of that year. She/he may attend 2nd year classes but will not be allowed to appear in the 2nd year final exam until she/he passes all subjects of 1st year. The same rule is applicable for 2nd, 3rd and 4th year;
9. All assessment will be conducted according to set criteria. If any question arises, the examination committee will resolve that;
10. Examination committee to be formed before each year final exam to conduct examination;
11. If a student fails to meet the clinical & field practice requirements of the course for any genuine reason (sick, emergency leave etc.), she/he has to make up her/his clinical practice requirements in extra time with submission of necessary documents/medical certificate;
12. All examinations will be governed by the existing rules of the university;
13. Year final examination will be taken at the end of each academic year and re-examinee candidate will appear in the next exam;
14. The examination system and total marks for written, oral and/or practical is shown against each subject separately in the curriculum/syllabus;

15. Total marks in each year of B.Sc. in nursing programme are as follows:

First year final	= 1000
Second year final	= 1000
Third year final	= 900
<u>Fourth year final</u>	<u>= 900</u>
Grand total	= 3800

16. Marks of written examination in case of 100 marks will be as follows

Written (SAQ+EQ)	= 70
MCQ/Best Answer	= 20
Formative	= 10

17. Marks of written examination in case of 70 marks will be as follows

Written (SAQ+EQ)	= 40
MCQ/Best Answer	= 20
Formative	= 10

17. Formative assessment: 10 Marks is allocated for formative assessment of each paper, when a total mark of written exam is 70 or 100;

- 10 marks of formative assessment will be divided as follows:

Class attendance	= 2 ($\geq 75\%$)
Term examinations	= 4 (Term 60%-69% = 2, 70%-79% = 3, $\geq 80\%$ = 4)
<u>In-course assignment</u>	<u>= 4</u>
Total	= 10

* Eligible criteria for appearing final exam is 6 out 10

19. **Objective type questions** (it will cover 10 best & 10 correct answer): 20 Marks is allocated for 20 MCQ, when total marks of written exam are of 70 or 100;

20. Rest of the marks of the written examination is allocated for SAQ and EQ. The written script will be divided into two papers (Groups-A & B);

21. The oral and/or practical examination will be taken after final written examination;

22. Marks of practical examination in each subject will be as follows:

a. 10 marks are allocated for formative assessment. This includes attendance (clinical/field) and evaluation of clinical/field performance. Clinical/field performance may be evaluated through care plan, case studies & presentation, individual report, debate, oral presentation and teaching session;

b. 10 marks of formative (practical) assessment will be divided as follows:

Practical attendance	= 2 ($\geq 85\%$)
Field visit/clinical assignment report	= 4
Case studies & presentation	= 4
Total	=10

*Eligible criteria for appearing final exam is 6 out 10

23. Rest of the marks is distributed equally for oral and practical examinations where applicable;

24. Oral and practical examination will be conducted together and marks will be aggregated;

25. Oral examination will be done by structured questions and oral presentation involving internal and external assessors;

26. Practical examination may include OSPE (Objective Structured Practical Examination) or/and traditional methods, and practical note book/ laboratory notebook/lesson plan preparation/teaching session/reflective notebook;

27. **Pass mark:** 60% marks must be obtained in written, oral, practical and clinical examination of each subject & individual area;

28. If student fails in any paper, she/he will appear only failed paper. For example, if student fails paper I or II of the Anatomy & Physiology, the student has to appear only the failed paper;

29. **Honours mark:** Honours mark should be awarded when 80% and above mark is obtained in each individual subject;
30. **Distinction:** When 80% or more mark is achieved in a single subject, this is called distinction.
31. Position should be based on the aggregated mark of written, oral and practical examination of all subjects;
32. Re-examinee student will not get the position, but may get honours mark in individual subject;

33. Attendance and Marks:

Class attendance	Marks	Practical attendance	Marks
75% and above	=2.0	85% and above	= 2.0

A. Duration of Examination hours for 100 marks:

MCQ = 20 minutes

SAQ = 2hrs 40 minutes

B. Duration of Examination hours for 70 marks:

MCQ = 20 minutes

SAQ = 2 hrs10 minutes

34. There should be provision of preparing check-list book for assessing & improving the competencies of students;
35. Every subject should have a manual to conduct teaching learning activities of the curriculum in proper way;

Methods of assessment:

Methods of assessment are both formative and summative for theory as well as for practice. Major emphasis will be given in the acquisition of clinical skills of professional courses;

1. Formative assessment

1.1 In the theoretical part, formative assessment will be done throughout the programme, which includes a combination of class attendance, term examinations (term examinations will be held as per institutional convenient time). Out of 100 marks a student must obtain 60% in written/ oral/practical examinations. However, in the terms examination students must obtain 3 out of 4 marks and in course assignment such as written assignment, preparation of posters, booklets, laboratory reports, practical notebook, case study, nursing care plan, oral presentation, report writing etc.

1.2 Practical part formative assessment includes attendance (clinical/field) and evaluation of clinical performance. Evaluation of clinical/ field performance will be done through observation, check list, preparation of nursing care plan, case presentation, report writing, practical notebook, health education session, teaching session and maintaining diary for reflective learning.

2. Summative assessment

Summative assessment will be done at the end of the course which includes written, oral and practical examination.

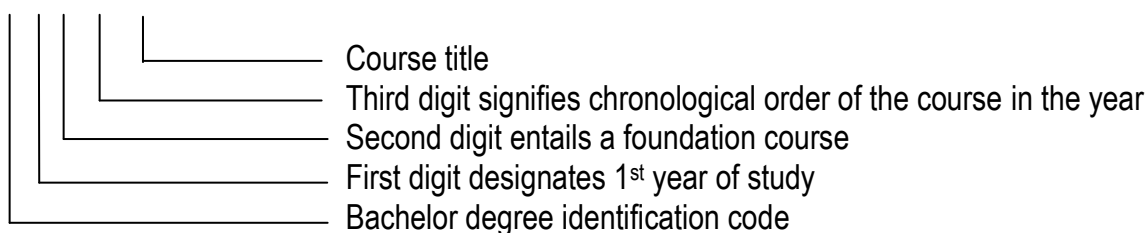
Course Code:

Course code: means designation and numbering system of a course.

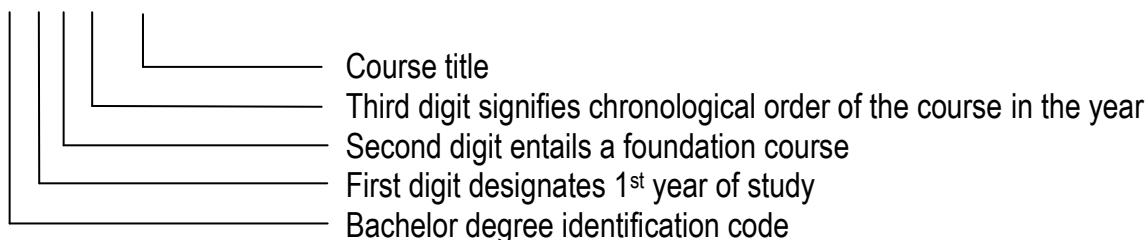
Each course is designated by a letter B which stands for B. Sc. in nursing degree followed by a three-digit number with the following criteria:

- a) First digit indicates the year of study;
- b) Second digit indicates whether the course is general (1) foundation (2) and professional (3) and
- c) The third digit indicates chronological order of the subject of specific year. The course code is illustrated by two examples.

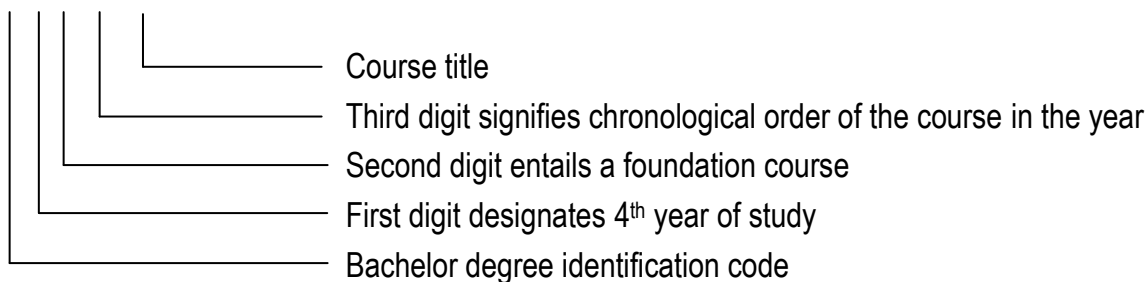
B 1 1 2 Behavioral Science



B 1 2 3 Anatomy & Physiology



B 4 3 3 Research in Nursing



Code & name of the different courses with hours & marks

1. General Course	= 2
2. Foundation Course	= 1
3. Professional Courses	= 12
Total	= 15

Code	Name	No. of Hours	Marks	
General (1)				
		T/L/P	W + (O+P)	Total
B111	Communicative English and Information & Communication Technology Paper I & II	108/88/0	140+60	200
B112	Behavioral science	112/0/48	100+50	150
Foundation (2)				
B123	Anatomy & physiology Paper I & II	192/72/0	200+100	300
Professional courses (3)				
B 134	Fundamentals of Nursing –1 Paper I & II	272/200/240	200+150	350
B 231	Fundamentals of Nursing –2 Paper I & II	180/32/96	200+100	300
B 232	Pediatric Nursing	96/16/144	100+100	200
B 233	Medical & Surgical Nursing-1 Paper I & II	156/36/480	170+130	300
B 234	Orthopedic Nursing	72/24/144	100+100	200
B 331	Medical & Surgical Nursing- 2 Paper I & II	176/0/384	200+100	300
B 332	Community Health Nursing	132/0/240	100+100	200
B 333	Psychiatric Nursing	80/0/192	100+100	200
B 334	Emergency & Critical Care Nursing	80/36/192	100+100	200
B 431	Midwifery Paper I & II	208/72/736	200+200	400
B 432	Nursing Education & Management Paper I & II	144/0/192	170+130	300
B 433	Research in Nursing	80/0/80	100+100	200
Total		2088/576/3168 Grand total=5832	2040+1660	3800

Year Wise Course Plan

Code & name of the different courses with hours, & marks

1. General Course	= 2
2. Foundation Course	= 1
3. Professional Courses	= 12
Total	= 15

Code	Name	No. of Hours	Marks		
First Year					
		T/L/P	W	O+P	Total
B111	Communicative English and Information & Communication Technology Paper I (English) : 60/32/0 Paper II(ICT) : 48/56/0	108/88/0	70 70	30 30	200
B112	Behavioral science	112/0/48	100	50	150
B123	Anatomy & physiology Paper I : 96/36/0 Paper II : 96/36/0	192/72/0	100 100	50 50	300
B 134	Fundamentals of Nursing –1 Paper I : 200/168/0 Paper II : 72/32/0	272/200/240	100 100	100 50	350
Total=		684/360/288	640	360	1000
Second Year					
B 231	Fundamentals of Nursing –2 Paper I :108/16/64 Paper II : 72/16/32	180/32/96	100 100	50 50	300
B 232	Pediatric Nursing	96/16/144	100	100	200
B 233	Medical & Surgical Nursing-1 Paper I : 84/36/480 Paper II : 72/0/0	156/36/480	100 70	100 30	300
B 234	Orthopedic Nursing	72/24/144	100	100	200
Total		504/108/864	570	430	1000
Third Year					
B 331	Medical & Surgical Nursing- 2 Paper I :112/0/288 Paper II : 64/0/96	176/0/384	100 100	50 50	300
B 332	Community Health Nursing	132/0/240	100	100	200
B 333	Psychiatric Nursing	80/0/192	100	100	200
B 334	Emergency & Critical Care Nursing	80/36/192	100	100	200
Total		468/36/1008	500	400	900

Fourth Year					
B 431	Midwifery Paper I :144/40/368 Paper II : 64/32/368	208/72/736	100 100	100 100	400
B 432	Nursing Education & Management Paper I : 72/0/96 Paper II : 72/0/96	144/0/192	100 70	100 30	300
B 433	Research in Nursing	80/0/80	100	100	200
Total		432/72/1008	470	430	900
		2088/576/3168 Grand Total =5832	2180	1620	3800

* **Internship:** After completion of the program every student has to perform 06(six) months internship.

Allocated hours & marks against in each subject

1st Year

Code No	Name of the subjects	Theory	Lab.	Practice	Marks
B 111	Communicative English and Information & Communication Technology Paper I & II	108	88	0	200
B 112	Behavioral Science	112	0	48	150
B 123	Anatomy & Physiology Paper I & II	192	72	0	300
B 134	Fundamental Nursing – 1 Paper I & II	272	200	240	350
Total hours & marks =		684	360	288	1000

2nd year

Code No	Name of the subjects	Theory	Lab.	Practice	Marks
B 231	Fundamental Nursing – 2 Paper I & II	180	32	96	300
B 232	Pediatric Nursing	96	16	144	200
B 233	Medical & Surgical Nursing - 1 Paper I & II	156	36	480	300
B:234	Orthopedic Nursing	72	24	144	200
Total in hours & marks =		504	108	864	1000

3rd year

Code No	Name of the subjects	Theory	Lab.	Practice	Marks
B 331	Medical & Surgical Nursing - 2 Paper-I & II	176	0	384	300
B 332	Community Health Nursing	132	0	240	200
B 333	Psychiatric Nursing	80	0	192	200
B 334	Emergency & Critical Care	80	36	192	200
Total hours & marks =		468	36	1008	900

4th year

Code No	Name of the subjects	Theory	Lab.	Practice	Marks
B 431	Midwifery Paper-I & II	208	72	736	400
B 432	Nursing Education & Management Paper –I & II	144	0	192	300
B 433	Research in Nursing Paper-I & II	80	0	80	200
Total hours & marks =		432	72	1008	900

Total theory = 2088 hrs

Total lab = 576 hrs

Total practice = 3168 hrs

Grand total = 5832 hrs

Grand total marks = 3800

Course Description

1st year

B111: Communicative English and Information & Communication Technology **108/88/0**

The subject is designed to develop communication skills in English of the learners in basic grammatical structures of English and basic semantics, basic reading and listening techniques for constructing informal writings; reading selected English literature; listening to selected English media; Use of expressions for easy communication in daily life such as exchanging information, greeting, shopping, application, past, present & future activities, liking & disliking etc; giving English oral presentations; and writing formal letters and essays.

Study and practice in reading and writing on related topics from nursing textbooks/journals/magazines & note taking, referencing; improvement of reading and writing abilities with emphasis on review of vocabularies, sentence structure, organization, development of oral presentation; developing writing skills- Business letters, application & CV; report writing, editing, proof reading, translation and professional writings- meeting minutes; improvement of speaking and listening abilities with establishing communication and making arguments.

The course is also designed for understanding of using computer and information technology and its applications in nursing field; application programs for Microsoft Word processing, Microsoft Excel for spreadsheets, Power Point Presentations, Networking and Communication through internet and World Wide Web applications

B112: Behavioral Science

112/0/48

The subject includes the indicative contents of Behavioral Science boundaries of Behavioral Science and social matters; relationship between social science and other sciences; the influence of social structure including political and economic aspects on health care system; culture embedding in society including values, beliefs, social change; motivation; basic concepts of Psychology and practices of human behaviors; common psychological theories and process of personality development.

B 123: Anatomy & Physiology**192/72/0**

The subject includes the indicative contents of anatomical structure & physiological function of human body systems including musculoskeletal system, digestive system, respiratory system, cardiovascular system, urinary system, endocrine system, reproductive system, nervous system, integumentary system, hematologic system, sensory organs, and immune system.

B134: Fundamentals of Nursing – 1**272/200/240**

Introduction and conceptual bases of nursing: nurses' roles and competencies required in promoting, maintaining, and restoring health; nursing process; theories and models of nursing; cultural & ethical aspects of nursing; nurses' ethical behaviors, nursing self-management, accountability & nursing care delivery within health care system;

Principles of care emphasizing on responding to basic needs for physical comfort and personal hygiene, safety, infection control, environmental comfort, positioning, transferring, activity and exercise, vital sign, first aid and bandaging

Introduction to interpersonal communication in nursing; assertive communication; interpersonal and therapeutic relationship; key elements in building relationships; barriers to effective communication; communicating with other health care professionals; enhancing interpersonal communication Skills

Concept of microbiology, parasitology, virology and pathology, and immunology, nature, reproduction, growth, common microorganisms and parasites in Bangladesh, prevention, universal precautions and immunization, control, sterilization, disinfection, specimen collections and examination.

2nd Year

B231: Fundamentals of Nursing – 2

180/32/96

Ethics in nursing: Concepts of a nurse, code of ethics, ethical principles, legal issues in nursing & law, nursing regulations, bioethical issues; and professional standards; professional accountability.

Trends and issues in nursing: Trans-cultural nursing; the process of educating nurses; transition from student to professional; different nursing organizations; and position of nurses.

Health Assessment: Introduction to nursing process; health assessment; data and assessment strategies; practical skills and physical examination basic to biophysical, psychosocial, and spiritual assessment, and diagnostic tests and investigations, ethical concerns

Nursing techniques & procedures: Principles of care, basic need for nutrition & hydration, wound care; urinary and bowel elimination; administering medication, IV fluid and blood products; specimen collection; preparation of patient for different diagnostic procedures, admission & discharge, dying & death & basic nursing care.

Concept of nutrition, classification of food, digestion, absorption, and utilization of carbohydrate, protein and fat, functions of nutrition on health; human needs of nutrients across life span; eating patterns of people with different age group and factors affecting nutritional deficits within Bangladesh culture; food hygiene, food preservation; nutritional assessment, nutrient deficiency diseases, prevention and treatments; therapeutic diet and nutritional support with modification based on individual differences, family and community context.-

B232: Pediatric Nursing**96/16/144**

Introduction to pediatric nursing; growth and basic concept & importance of early childhood development, domains & influencing factors of development; principles of care of sick children including infant, child and adolescent focusing on family centered care; prevalence of acute and chronic conditions & growth and development; child assessment; family assessment; child safety promotion; acute and chronic illness in common nursing situations including problems with malnutrition, congenital anomalies, convulsion, alterations in respiratory, cardiovascular, gastro-intestinal, urinary system, hematologic and lymphatic system, nervous system, endocrine and metabolic system, retarded children; cerebral palsy, autism. Special Care of the newborn with congenital anomalies & abnormal condition at birth, review Pathophysiology including causes, sign-symptoms & treatment, health assessment, risk assessment, supportive/ emergency & restorative care of newborn with family counseling.

B233: Medical & Surgical Nursing - 1**156/36/480**

Nature; acute and chronic illnesses related to medicine & surgery; nurses' roles and interventions in restoring health, preventing complications and recurrence, and maintaining health of adult clients with acute and chronic illness using client-centered and holistic care; medical & surgical interventions and anesthesia; nature of diseases and pathogenesis; alterations in infectious diseases, nosocomial infection, surgical wound, alteration in integumentary system, digestive and gastrointestinal system, cardiovascular system, endocrine & metabolic system; respiratory system; nervous system. Introduction to pharmacology and basic principles of drug action: pharmaceutical, pharmacokinetic, and pharmacodynamics; essential drugs; forms of drugs and preparation; action, adverse effect and its management of major drug classes including antibiotics and anti-parasitic, anti-inflammatory drugs, antipyretics and analgesics, drugs affecting body systems, i.e., gastro-biliary, urinary, cardiovascular, endocrine, and nervous system, anti-psychotic, anti-neoplastic and immunosuppressive agents.

Introduction to orthopedic nursing; concept of immobility; nurses' roles and interventions in preventing musculoskeletal injuries, maintaining and restoring health of orthopedic clients using client-centered and holistic care in the context of family and community; theory and practice in providing care to clients with fracture and dislocation, orthopedic surgery, autoimmune and inflammatory disorders, degenerative disorders, infections, neoplasm, and congenital and developmental disorders; immobilization and use of orthopedic devices; ethical and legal consideration in care of orthopedic clients.

3rd Year

B331: Medical & Surgical Nursing – 2

176/0/384

Nature; acute and chronic illnesses related to medicine & surgery; nurses' roles and interventions genitourinary system, male reproductive system, hematologic and lymphatic system, immune system including pathophysiology & forensic nursing; Oncology, Tumour and neoplasm; medical & surgical conditions of the eye and ENT.

Demographic trends in Bangladesh; concepts, theories related to aging; assessment and nursing strategies related to common health problems of elder population in Bangladesh; health promotion and illness prevention in the elderly; holistic care of the elderly with common and specific health problems; issues and trends in providing care for the elderly.

B332: Community Health Nursing

132/0/240

Concept of community health nursing; demographic trends, common community health problems; cultural diversification in community; community approach community organization; community participation; community empowerment; Nurses' roles in health promotion; fundamental theories of health beliefs model and illness prevention; immunization, early screening, environmental health; elements & principles of primary health care; approaches to PHC; Health care delivery system; nurses' roles & responsibility of a community health nurse; health education, concept related to family health nursing; family assessment; family counseling; care of family care givers; nursing care for special health concerns - women & child abuse, vulnerable groups such as disadvantaged people, women, children, elderly, disabled & handicapped; concept of disasters, mass casualty and its management, occupational health; hazards and related diseases, & nurses' role. Concept of Epidemiology, principles, occurrence and distribution of diseases; indicators of health, epidemic investigations, prevention and control of communicable and non-communicable diseases, population and health statistics.

B333: Psychiatric Nursing**80/0/192**

Introduction to psychiatric & mental health nursing; bio-psychosocial theories of mental health and illness, determinants of mental illness; cultural and socioeconomic factors and psychotherapeutic modalities; Psychotheory, emotional crises, acute & chronic psychiatric illnesses within communities; drug abuse, ethical issues relevant to care of clients with psychiatric and mental health problems; public and private systems of care for mental health promotion, restoration, and rehabilitation in Bangladesh.

B334: Emergency and Critical Care Nursing**80/36/192**

Introduction to emergency and critical care nursing; nurses' role in injury prevention; psychosocial, spiritual, and ethical concerns in care of clients under emergency and critical conditions; end-of-life care; theory and practice in providing care to clients, in the context of family and community, with emergency and critical conditions in dying cases.

4th Year

B431: Midwifery

208/72/736

Introduction to midwifery; roles and responsibility, ethics in midwifery; maternal and newborn health situations in Bangladesh; fertilization; growth and development of fetus; changes and impacts during pregnancy; mechanisms of labour; comprehensive and holistic care to pregnant women and their foetus, newborns and families from preconception, antenatal, labor to postnatal period; normal delivery, immediate care of the newborns & resuscitation, Care of newborns in the first 28 days of life, early and exclusive breast feeding, concept of reproductive health, safe motherhood, ethical and legal issues relevant to the care of clients with reproductive health needs.

Obstetric: complicated pregnancy & child birth, comprehensive and holistic care to pregnant women having abnormal obstetric, labour to postnatal period; early detection of obstetric complications and conditions detrimental to health of pregnant women and their fetus, timely procurement of medical assistance and referral, and first line management for obstetric emergencies and life threatening situations; gynecological nursing, use of midwifery standards for quality management; ethical issues concerning the maternal and newborn health in Bangladesh.

B432: Nursing Education & Management

144/0/192

Concept and history of nursing education, understanding of educational Philosophy, psychology, theories and principles of education, educational methodologies, teaching learning activities, evaluation of the courses and students, assessment tools for evaluating the teaching learning activities, the nature, principles and purposes of curriculum and curriculum development and evaluation.

Introduction to nursing management:, leadership, administration, planning, discipline, organization, planning resources, financial management, staffing, delegation, coordinating, directing, Inventory management, conflict & its sources, management, time management, recording reporting & supervision, Historical background of leaders in Bangladesh nursing profession.

Introduction to research in nursing and concept of evidence based nursing, research process, research problems and constructing research objectives, questions and hypotheses, literature review, research methodology, research instruments, data analysis and interpretation, implications to nursing practice; statistics , annotated bibliography, and writing a research proposal to develop research in nursing.

Annexes

Anex-I

Annexe-1: Master Plan for overall course structure

Master Plan

1st year

Term-1																										
Weeks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	T	T	T	T	T	L	L	T	T	T	L	L	T	T	L	L	L	T	T	R	SL	TE	TE	B	B	B
Term-2																										
Weeks	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
	T	T	T	T	L	L	L	CP	CP	CP	CP	CP	FV	T	T	T	R	R	SL	F _{ex}	F _{ex}	F _{ex}	F _{ex}	B	B	B

T= theory, L= Laboratory, CP=Clinical Practice, FV= Field Visit, R= Review, SL= study leave, TE= Term Exam, , F EX= Final Exam, B= Break/Leave

2nd Year

Term-1																										
Weeks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	T	T	T	T	CP	CP	CP	CP	T	T	T	L	CP	CP	CP	CP	T	T	T	R	SL	TE	TE	B	B	B
Term-2																										
Weeks	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
	CP	CP	CP	CP	T	T	CP	CP	CP	CP	CP	L	L	FV	T	T	R	R	SL	F _{ex}	F _{ex}	F _{ex}	F _{ex}	B	B	B

T= theory, L= Laboratory, CP=Clinical Practice, FV= Field Visit, R= Review, SL= study leave, TE= Term Exam, , F EX= Final Exam, B= Break/Leave

3rd Year

Term-1																										
Weeks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	T	T	T	CP	CP	CP	CP	CP	T	T	CP	CP	CP	CP	CP	CP	T	T	L	R	SL	TE	TE	B	B	B
Term-2																										
Weeks	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
	CP	CP	CP	CP	T	T	CP	CP	CP	CP	T	FV	FV	T	T	T	R	R	SL	F _{ex}	F _{ex}	F _{ex}	F _{ex}	B	B	B

T= Theory, L= Laboratory, R= Review, SL= study leave, TE= Term Exam, CP=Clinical Practice, FV= Field Visit, F EX= Final Exam, B= Break/Leave

4th Year

Term-1

Weeks

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
T	T	T	T	T	T	CP	CP	CP	CP	CP	CP	CP	T	T	L	CP	CP	CP	R	SL	TE	TE	B	B	B

Term-2

Weeks

27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
CP	CP	CP	CP	CP	CP	CP	CP	CP	T	T	L	CP	CP	CP	T	T	R	R	SL	F ex	F ex	F ex	B	B	B

T= Theory, L= Laboratory, CP=Clinical Practice, FV= Field Visit, R= Review, SL= study leave, TE= Term Exam, F EX= Final Exam, B= Break/Leave

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