

# Curriculum for Diploma in Nursing Science and Midwifery 2018



**Published by:** Bangladesh Nursing and Midwifery Council (BNMC), supported by World Health Organization (WHO) Bangladesh  
For more information contact: BNMC, 203, Shaheed Syed Nazrul Islam Sarani, Bijaynagar, Dhaka –1000, Bangladesh  
E-mail: [info@bnmc.gov.bd](mailto:info@bnmc.gov.bd), Web: [www.bnmc.gov.bd](http://www.bnmc.gov.bd), Phone: 9561116, 9564159



**Bangladesh Nursing and Midwifery Council**

# Curriculum for Diploma in Nursing Science and Midwifery 2018

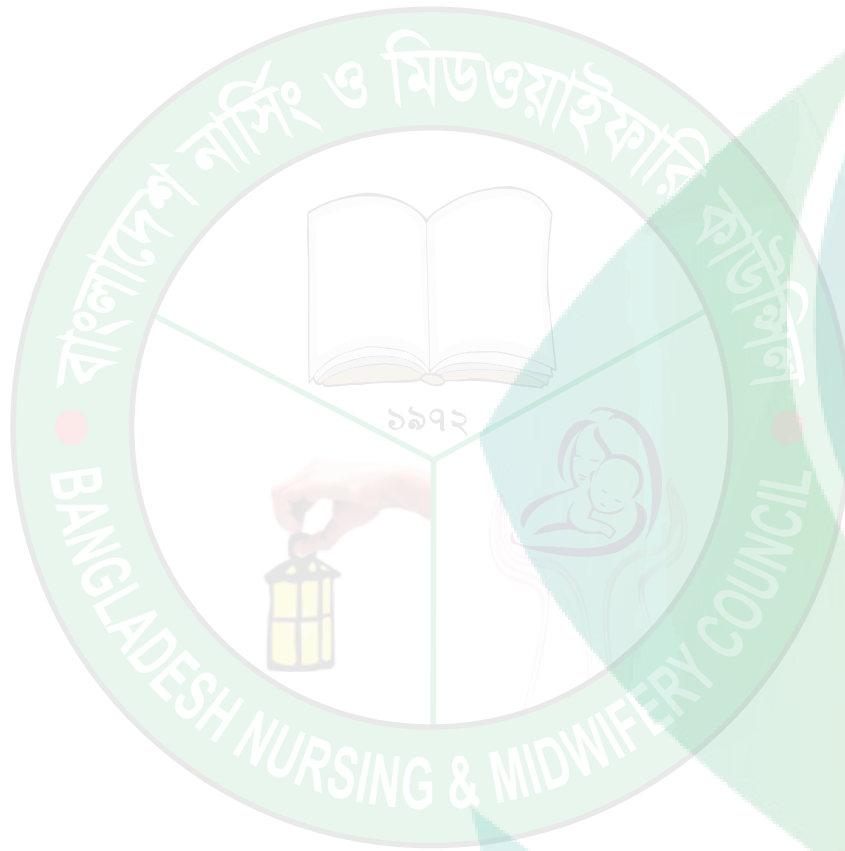


**Bangladesh Nursing and Midwifery Council**

Diploma in Nursing Science and Midwifery Curriculum 2018

Copyright©BNMC

Published by  
Bangladesh Nursing and Midwifery Council, Dhaka  
203, Shaheed Syed Nazrul Islam Sarani  
Bijaynagar, Dhaka –1000, Bangladesh  
E-mail: info@bnmc.gov.bd  
Web: www.bnmc.gov.bd  
Phone: 9561116, 9564159



**G. M. Saleh Uddin**  
Secretary  
Medical Education and Family Welfare Division  
Ministry of Health and Family Welfare  
Govt. of the people's Republic of Bangladesh

জি. এম. সালেহ উদ্দিন  
সচিব  
স্বাস্থ্য শিক্ষা ও পরিবার কল্যাণ বিভাগ  
স্বাস্থ্য ও পরিবার কল্যাণ মন্ত্রণালয়  
গণপ্রজাতন্ত্রী বাংলাদেশ সরকার



## Preface

In this time nationally and internationally is increasing attention on expand health care service with to ensure higher quality of care and greater access and better value for money of people-as individuals, family and communities to the health care system. Nurses are often the first point of contact for patients and are in positions to provide considerable direct support and care in the health care system. Consequently, there is a need to enhance of nursing education to encounter the existing contest to the health of populations served by all areas of nursing practice. In response to the upward need, recently, the curriculum of Diploma in Nursing and Midwifery science has been reviewed and updated, which includes most appropriate subjects and contents including verities of knowledge, skills, and positive approaches to ensure high quality in training program to produce high quality of nurses. Besides, the curriculum has emphasized on current requirements and demands of community in the field of nursing and midwifery.

In addition, the teaching strategies and assessment systems has been updated to enhance teaching-learning activities to ensure quality of nursing and midwifery education. These strategies will make uniformity of nursing education and encourage both teachers and students to follow the academic interactions to reinforce quality nursing education.

I am hopeful that our efforts will indeed strengthen education in nursing and midwifery science and in nursing practice and nurses can indispensable contribution to the health of the public.

**(G. M. Saleh Uddin)**  
President  
Bangladesh Nursing and Midwifery Council



## Acknowledgement

Modification or revision of a curriculum is a difficult task which requires expertise, patience, consuming time and energy. I am grateful to the following persons who have given their best efforts to reorganize and update the curriculum.

First of all my sincere appreciation goes to the experts for completing the excellent work within the time. I am confident that the modified curriculum will be suitable to run the course successfully.

I would like to thank all the concerned principal, teachers and stakeholders for providing their valuable comments and suggestions to modify and update the curriculum. The modifications of the curriculum included reduction the number of subjects, minimizing duplications, removing anomalies from the existing curriculum as well as changing examination system.

Bangladesh Nursing & Midwifery Council hope that the modified curriculum will be useful to implement the curriculum successfully in all settings.

I wish to express my deep appreciation to Ministry of Health and Family Welfare (Medical Education & Family Welfare Division), Directorate General of Nursing and Midwifery & World Health Organization for providing their administrative and technical support to complete the work.

Finally, my special thanks to all other associated staff who were involved with this work.

**(Shuriya Begum)**

Registrar

Bangladesh Nursing and Midwifery Council

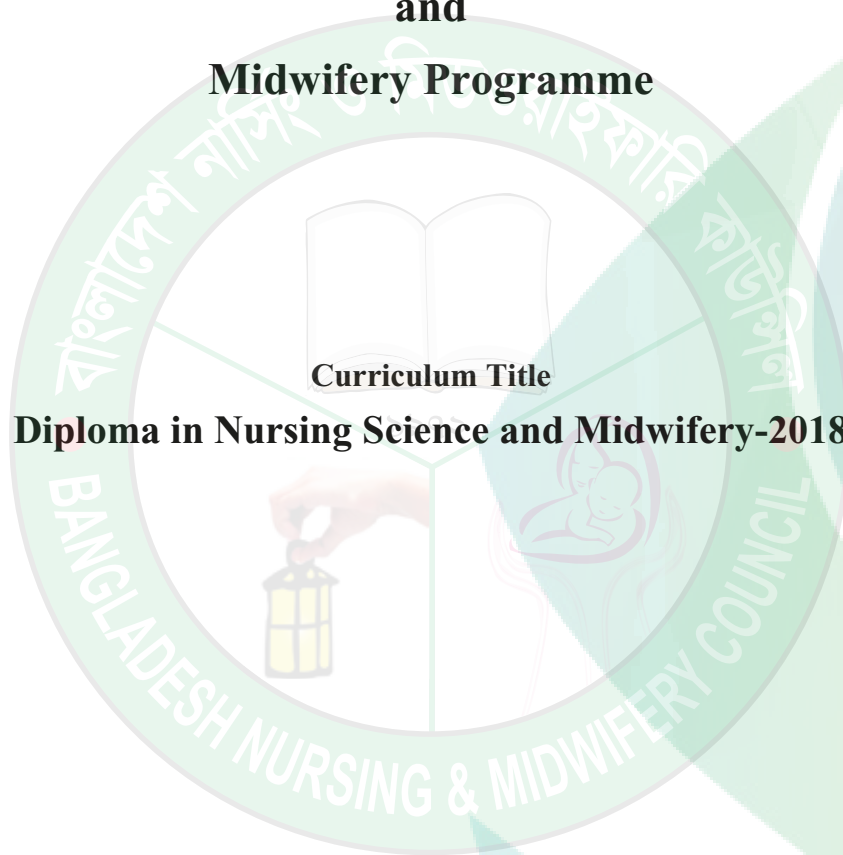
## Table of contents

Sl. No.	Contents	Page
1.	Preface	i
2.	Acknowledgement	ii
3.	Curriculum Title	1
4.	Degree Awarded	1
5.	Justification	1
6.	Philosophy	1
7.	Goal	2
8.	Course Objectives	2
9.	Framework	4
10.	Curriculum Design	5
11.	Title of courses	5
12.	Curriculum Structure	6
13.	Year wise Subject distribution	7
14.	Summary of allocated hours and marks distribution against each course	8
15.	Duration of course	9
16.	Student Registration	9
17.	Method of Recruitment	9
18.	Procedures for teaching and placement in clinical areas	10
19.	Academic committee	10
20.	Examination committee	11
21.	Question for examination	11
22.	Method of assessment, Duration of examination hours	11
23.	Objective Type Questions	12
24.	Formative assessment	13
25.	Formative assessment marks distribution	14
26.	Leave system, Certification and Licensure	14
27.	Courses Description	15
28.	Marking Criteria for written assignment / oral presentation / poster/ booklet	31
29.	Annex 1: Master Plan	32
30.	Annex 2: A sample of rotation plan	35
31.	Annex 3: Students' clinical performance evaluation Form	36
32.	Annex 4: Case plan Form for clinical practicum	42
33.	Annex 5: Teachers/ Instructor Evaluation Form for Clinical Course	47
34.	Annex 6: Teachers/ Instructor Evaluation Form for theory Course	48
35.	Annex 7: A sample of Academic Transcript	49
36.	Annex 8: List of;	50

**Diploma in Nursing Science  
and  
Midwifery Programme**

**Curriculum Title**

**Diploma in Nursing Science and Midwifery-2018**



**Curriculum Title:**

Diploma in Nursing Science and Midwifery-2018

**Degree Awarded:**

Diploma in Nursing Science and Midwifery

**Philosophy:**

The Bangladesh Nursing and Midwifery Council and its members hold the following beliefs about person, environment, health, nursing, midwifery, and nursing education.

**Person:**

Person is a unique being, holistic in nature with interactive bio-physical, psycho-social humanitarians, and spiritual dimensions. A person has ability for self-care actions required for promoting health, preventing diseases and illnesses, overcoming illness/restoring and maintaining health.

**Environment:**

Environment consists of bio-physical and socio-cultural elements that impact people's health. Each person lives within, and interacts with, an ever-changing environment, including health-care environment. The environment can be altered to positively affect a person's health by changing or removing unhealthy stressors and providing health-promoting resources.

**Health:**

Health is a state of complete physical, mental, social and spiritual well-being, and not merely the absence of disease or infirmity. Health-illness continuum indicates a continuum stage between health and illness across life span. Health is viewed as a dynamic state of wholeness or integrity achieved by continual adjusting one's self for optimal functioning. Illness is viewed as a dynamic state of loss of wholeness, dysfunction, or disorganization. While healing is the process through which illness is overcome and wellness reestablished; and is achieved by goal-oriented or deliberated actions.

**Nursing:**

Nursing assists clients (individuals, families and communities which aggregate's of people within communities) to attain physical, mental, social and spiritual well-being. Nursing involves a dynamic interaction between client and nurse aimed to promote, maintain, and restore optimal health in collaboration with other health team members. It also encourages involvement of clients and significant others in the care for self-reliance and in modifying their health behaviors. Nurses use nursing process in determining clients' needs or problems in responses to actual or potential health problems, planning for nursing interventions, intervening, and evaluating responses. Nurses deliver community-oriented nursing care, taking into account clients' community context. Critical thinking is the basis for nurses to apply nursing knowledge and to follow ethical and legal framework in their practice.



## **Midwifery:**

Midwifery is care of the girl-child, the adolescent and the adult woman prior to, during, and following pregnancy. It aims to promote, maintain, and restore optimal health and views pregnancy as a normal life event. Midwife gives necessary supervision, care and advice for women during pregnancy, labour and the postpartum period. The midwife conducts deliveries on her own responsibility and cares for the newborn infant. She detects abnormal conditions in the mother and baby, procures medical assistance as necessary; and the execution of emergency measures in the absence of medical help. The midwife works in collaboration with other health care team members and/or community-based health workers in promoting the health of women and childbearing families.

## **Nursing education:**

Nursing education is a dynamic, continuous learning process of acquiring nursing and midwifery knowledge and skills that bring about changes of student behaviors. Nursing education acquires active and life-long learning and new learning builds on previous knowledge and experience. Learning in nursing education is best achieved when student is motivated and ready to learn, where student's dignity is respected; teaching strategies and learning experiences are carefully selected to facilitate critical thinking; and professional or clinical role modeling is offered.

## **Goal:**

The institutional goal of this program is to produce competent nurses that will enable them for demonstrate the competency of using knowledge-based practice for provision of quality holistic client-centered nursing care to meet the needs/expectations and to promote, maintain, and restore health of individuals, families, and communities nationally and internationally.

## **Course Objectives:**

The objectives of this program are to develop registered nurses who will be able to:

1. Demonstrate to have knowledge in:
  - 1.1 Basic sciences, applied sciences, and human sciences;
  - 1.2 Nursing science focusing on interpersonal communication, nursing process, holistic nursing, community-oriented nursing, and knowledge requiring for making clinical nursing judgment in common and simple health problems/situations of nursing clients across health-illness continuum and throughout the life course;
  - 1.3 Nursing leadership and management;
  - 1.4 Emerging local and global health issues including universal health coverage;
  - 1.5 Research Methodology; and
  - 1.6 Computer and Informational Technology.
2. Demonstrate to have skills in:
  - 2.1 Using nursing process with knowledge-based clinical skills and critical thinking skills in caring for clients with common and simple health problems/situations across health-illness continuum and throughout the life course in order to promote, maintain, and restore health;
  - 2.2 Providing client-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 and 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 and as a member or a novice leader of the nursing care team;
  - 2.6 Managing own work on day-to-day basis;
  - 2.7 Guiding and fostering good clinical environment to nursing students and other support staff who work under nursing supervision; and
  - 2.8 Thinking critically and committing to self-directed learning.
3. Appreciate oneself as a nurse, kind and have positive attitudes toward professional nursing and lifelong learning.



## Framework:

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

- (1) Using nursing process in common and simple health problems/situations with the considerations of client-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.

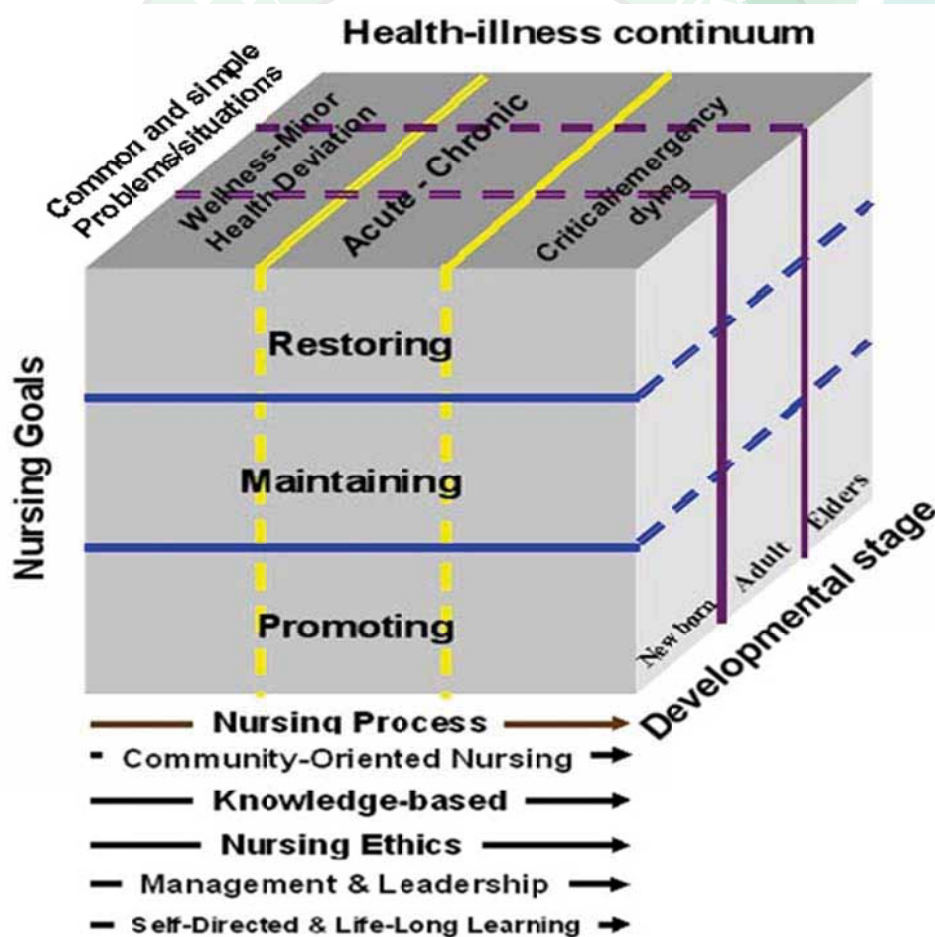


Figure 1: Curriculum Framework of the Diploma in Nursing Science & Midwifery

## 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 Diploma in Nursing Science and Midwifery curriculum is designed for BNMC recognized institutions and incorporate (1) **General courses** to prepare students to understand the world, understand human behaviors and well-behave in the society (2) **Foundation courses** to furnish students with essential knowledge relevant to nursing and midwifery and (3) **Professional courses** for nursing and midwifery specific courses. The courses are sequenced from year one to year three, from simple to complex, with an attempt to increase students' competencies overtime.

## Title of courses:

### 1. General Courses:

1. Behavioral Science
2. Basic Science
3. Communicative English
4. Computer and Information Technology (ICT)

### 2. Foundation Courses

1. Anatomy and Physiology
2. Microbiology and Parasitology
3. Nutrition and Dietetics
4. Pharmacology.

### 3. Professional Courses:

1. Fundamentals of Nursing
2. Community Health Nursing
3. Medical & Surgical Nursing
4. Orthopedic Nursing
5. Pediatric Nursing.
6. Psychiatric Nursing.
7. Midwifery
8. Leadership and Management
9. Research Methodology

## Curriculum Structure:

The Diploma in Nursing Science and Midwifery course will be of three years duration

Each academic year consists of 52 weeks. Out of 52 weeks, 45 weeks will be reserved for theory, laboratory classes, clinical practice, review class and test examination. The rest of 07 weeks will be used for study leave, BNMC examination and school break.

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.

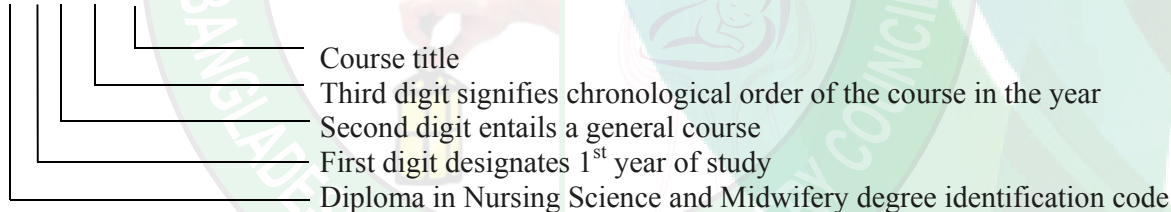
## Course Code:

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

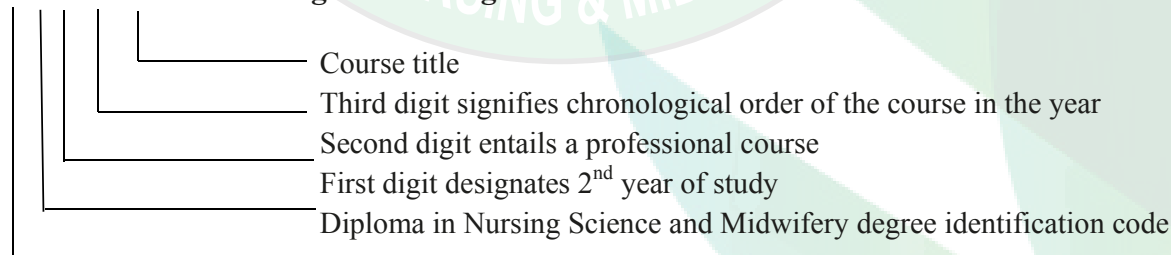
Each course is designated by a letter D which stands for Diploma in Nursing Science and Midwifery degree followed by a three-digit number with the following criteria:

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

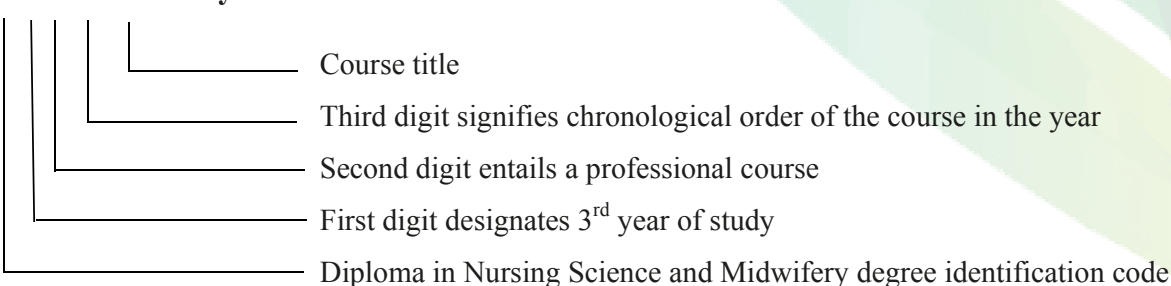
### D 1 1 1 Behavioral Science



### D 2 3 1 Medical & Surgical Nursing



### D3 3 1 Midwifery



## Year wise subject with code and hours distribution

1 <sup>ST</sup> YEAR			
Subject Code	Subject Title	Allocated hours	(T /L/P) hrs.
D111	Behavioral Science	240	144/0/96
D112	Basic Science	128	96/32/0
D123	Anatomy and Physiology	256	208/48/0
D124	Microbiology and Parasitology	64	48/16/0
D135	Fundamentals of Nursing	824	252/92/480
<b>Internal Subject:</b>			
D116	Communicative English	80	48/32/0
D117	Computer and Information Technology	64	32/32/0
<b>Total with Internal Subject=</b>		<b>1656</b>	<b>828/252/576</b>

2 <sup>nd</sup> YEAR			
Subject Code	Subject Title	Allocated hours	(T /L/P) hrs.
D231	Medical & Surgical Nursing	832	248/104/480
D222	Pharmacology	80	80/0/0
D223	Nutrition and Dietetics	240	80/64/96
D234	Community Health Nursing	292	196/0/96
D235	Pediatric Nursing	260	116/48/96
<b>Total =</b>		<b>1704</b>	<b>720/216/768</b>

3 <sup>rd</sup> YEAR			
Subject Code	Subject Title	Allocated hours	(T /L/P) hrs.
D331	Midwifery	1192	280/96/816
D332	Psychiatric Nursing	144	96/0/48
D333	Orthopedic Nursing	240	96/48/96
D334	Leadership and Management	96	96/0/0
D335	Research Methodology	80	80/0/0
<b>Total =</b>		<b>1752</b>	<b>648/144/960</b>

Total			
Year		Allocated hours	(T /L/P) hrs.
1 <sup>st</sup> Year		1656	828/252/576
2 <sup>nd</sup> Year		1704	720/216/768
3 <sup>rd</sup> Year		1752	648/144/960
<b>Total =</b>		<b>5112</b>	<b>2196/612/2304</b>

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

### Summary of Marks distribution against each course

1 <sup>ST</sup> YEAR		Marks				
Code	Course Code & Title	Written	Oral	practical	Formative	Total
D111	Behavioral Science	100	20		30	150
D112	Basic Science	100	20		30	150
D123	Anatomy and Physiology	100	50	50	50	250
D124	Microbiology and Parasitology	100	20	10	20	150
D135	Fundamentals of Nursing	100	50	50	50	250
D116	Communicative English (Internal Subject)	100	20	0	30	150
D117	Computer and Information Technology (Int. Sub)	100	15	15	20	150
	Total marks =	700	195	125	230	1250

2 <sup>nd</sup> YEAR		Total marks				
Code	Title	Written	Oral	Practical	Formative	Total
D231	Medical & Surgical Nursing	100	50	100	50	300
D222	Pharmacology	100	20		30	150
D223	Nutrition and Dietetics	100	30	20	50	200
D234	Community Health Nursing	100	30	20	50	200
D235	Pediatric Nursing	100	15	15	20	150
	Total=	500	145	155	200	1000

3 <sup>rd</sup> YEAR		Total marks				
Code	Title	Written	Oral	Practical	Formative	Total
D331	Midwifery	100	50	100	50	300
D332	Psychiatric Nursing	100	20		30	150
D333	Orthopedic Nursing	100	15	15	20	150
D334	Leadership and Management	100	20		30	150
D335	Research Methodology	50	20		30	100
	Total=	450	125	115	160	850

**Total marks = 3100**

**Total hours = 5112**

### **Duration of Course:**

There should be a minimum period of three years of education programme. Total hours are 5112 in the three years course. The 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. BNMC will issue professional License and academic certificate.

### **Student registration:**

After admission every student's must do student registration according to BNMC Act (Act No. 48 of 2016) Clause-5 (TA). The validity of the student registration will be of 06 years.

### **Medium of instruction:**

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

### **Method of recruitment:**

The Applicants who meet the following criteria will be eligible to enter into the Diploma in Nursing Science and Midwifery:

- a. **Entry qualification:** The applicants must have passed both SSC & HSC examinations from any discipline from any educational Board of Intermediate and Secondary Education in Bangladesh. Students will be selected on merit basis. Merit score will be determined from cumulative result of GPA SSC, HSC& admission test which will be decided by admission committee.
- b. Marks conversion from General Certificate of Education (GCE) - 'O' level and 'A' level will be decided by the central admission committee.
- c. The candidates will apply within 3 years after passing HSC examination and as well as continuation of SSC examination.
- d. Student will be selected on merit basis. Merit score will be determined from cumulative GPA of SSC & HSC result and from the admission test result.
- e. Medical (physical & mental) fitness will be essential before admission.
- f. Student will be single.
- g. For foreign candidate: According to admission policy.

Admission test will be conducted as per Act. of BNMC-2016 according to admission policy.

### **Evaluation of students:**

- ❑ The regular final examination will be held in each academic year in December under the Bangladesh Nursing and Midwifery council.
- ❑ A student must appear in each year final examination. In order to pass each year of the course overall, a student must pass in all subjects in that year. In order to pass a subject, she/ he must pass in each individual assessment area of that specific subject.
- ❑ A student must pass in each subject of internal examination.
- ❑ Assessment area includes written and/or oral and/or practical/clinical of that specific subject.
- ❑ The student who fails (obtains less than 60%) in any part of the subject(s), she/he will appear in the next exam.



- ❑ Pass mark: 60% marks must be obtained in written, oral, practical and clinical examination of each subject. If a student cannot secure pass mark in any assessment areas of a subject, maximum 2 (two) mark will be allowed to makeup from another assessment area of same subject.
- ❑ If a student fails in the first year exam, she/he will get maximum three chances for passing the examination of that year. She/he may attend 2<sup>nd</sup> year classes but will not be allowed to appear in the 2<sup>nd</sup> year final exam, until she/he passes all subjects of 1<sup>st</sup> year. The same rule is applicable for 2<sup>nd</sup> year and 3<sup>rd</sup> year.
- ❑ If a student fails at 03 times, then the student could appear by one time dropping and with the special permission of BNMC for 04 times final examination.
- ❑ All assessment will be conducted according to set criteria. If any question arises, the examination committee will resolve that.
- ❑ Examination committee to be formed before each year final exam to conduct examination.
- ❑ If a student fails to meet the clinical 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/certificate.
- ❑ All examinations will be conducted by the existing rules of the BNMC.
- ❑ **First year** students will be placed for clinical practice after having 15 weeks theory and lab classes and they will be placed in the morning shift only. **Second year** students will be placed for all shifts according to the yearly Master Plan and night shift will be started after 06 months. **Third year** students will be placed for all shifts according to the yearly Master Plan. The students must be accompanied by Registered Nurse during clinical placement.
- ❑ If a student remains absent for more than 3 months at a time without information her/his studentship will be automatically terminated.
- ❑ If a student remains absent for more than 3 months with information, concerned authority will place this case to the Academic committee and the Academic committee will take the action considering the circumstances.
- ❑ The student will be informed of the rules and regulations of the course in the beginning of the course.
- ❑ A student has to be registered with Bangladesh Nursing and Midwifery Council within three months of admission.
- ❑ For final examination of Bangladesh Nursing & Midwifery Council, there will be two scripts Group-A & B.
- ❑ There will be one paper (script) for internal examination.

#### **Procedures for teaching and placement in clinical areas:**

1. There will be one teacher for each course and at least 2 co-teachers for each course where students' intake is 25, and 4 co-teachers where students intake is 50 and accordingly (The ideal ratio between teacher and student should be 1:8 for clinical practice).
2. Rotation plan will be developed by the concerned subjects' teachers.
3. The subject teacher will strictly follow the rotation plan for each course as specified in the curriculum.

### **Academic committee: (Public and Private)**

Academic committee will be formed as follows:

- Director/Deputy Director, Medical College Hospital attached to Nursing Institute -Chairperson
- Principal - Nursing Institute - Member Secretary
- Nursing Superintendent - Member
- Senior Nursing Instructor - Member
- Guest Lecturer - Member.

### **Academic committee (Attached to District Hospital):**

- Civil Surgeon/Hospital Superintendent - Chairperson
- Nursing Instructor In charge / Principal - Member Secretary
- Nursing Superintendent/ Dy. Nsg Superintendent/ Nursing Supervisor - Member
- Senior Nursing Instructor - Member
- Guest Lecturer - Member.

## **Examination Committee**

### **Examination Committee:**

Examination will be conducted by BNMC according to Bangladesh Nursing and Midwifery Examination Guideline.

1. The examination control committee will be formed according to BNMC examination guideline.
2. (i) By virtue of the post, head of the concerned Nursing Institute/college will be the Center In-charge selected by BNMC.  
(ii) Respective subject teacher or coordinator will be the convener of the examination selected by BNMC.  
(iii) The Internal and External examiner of each subject will be selected by BNMC  
(iv) Question setter, moderator, script examiner and tabulator will be selected by the Examination Control Committee of BNMC.  
(v) The final examination result will be published by the Examination Control Committee of BNMC.

### **Questions for examination:**

There are variations in question paper of written examination depending on the weight of a subject.

The pattern of question is designed below:

- i. Essay Question (EQ)
- ii. Short Question (SQ)
- iii. Multiple Choice of Questions (MCQ) & Best Answer Questions.

### **Methods of assessment:**

Method of assessment will be both formative and summative as specified in the curriculum

### **Duration of Examination Hours:**

Examination hours for written paper will be allocated as follows:

1. For 50 marks : 2.00 hours.
2. For 100 marks : 3.00 hours

## Multiple choice questions (MCQ) and best answer questions

### 1. Multiple choice questions (MCQ) and best answer questions

- i. Number of item: 10 MCQ and 10 best answer questions for each subject for 100 marks and 10 MCQ for 50 marks (Research Methodology).
- ii. Time allocation: 20 minutes for 20 questions.
- iii. **Type of questions:** Multiple True/False type and best answer types.
- iv. Pattern of questions: Each question will have one stem with five (5) alternatives in case of MCQ and one stem with (four) 4 alternatives in case of best answer question.
- v. Marks: Each question will carry one mark where each alternative will carry 0.2 marks in case of MCQ and in case of best answer one question will carry (one) 1 mark.
- vi. In case of MCQ the ratio of true false in alternatives will be 3:2 or 2:3.
- vii. MCQ and best answer question will be divided into two groups- group A and group B. Each group will contain (five) 5 MCQ and (five) 5 best answer questions.
- viii. Key answers of the MCQ and best answer questions for each group will be supplied to the script examiners separately.
- ix. MCQ and best answer question examination will be taken within the first 20 minutes of the written examination.
- x. No negative marks will be given for wrong answer.
- xi. Marks of MCQ, best answer questions, SAQ & EQ of a particular group should be sent together in the same envelop to the Registrar of BNMC.
- xii. If there is fraction mark 0.5 or over will be considered as 1, if the mark is below 0.5 it will not be counted.

### For 50 marks:

#### Multiple Choice Questions (MCQ):

- 10 marks are distributed as 5 marks for Group-A and 5 marks for Group-B

#### Short Question (SQ):

- 20 marks are distributed as 10 marks for Group-A and 10 marks for Group-B.
- Students have to answer 02 questions out of 03 in Group-A & same as Group-B.
- Each question will carry 5 marks having sub- questions.

#### Essay Question (EQ):

- 20 marks are distributed as 10 marks for Group-A and 10 marks for Group-B
- Students have to answer 01 question out of 02 in Group-A & same as Group-B
- Each question will carry 10 marks having no sub-questions.

### For 100 marks:

#### Multiple Choice Question (MCQ) and best answer question:

- 20 marks are distributed as 10 marks for Group-A and 10 marks for Group-B

#### Short Question (SQ):

- 40 marks are distributed as 20 marks for Group-A and 20 marks for Group-B
- Student has to answer 04 SQ out of 06 in Group-A & same as Group-B
- Each question will carry 5 marks having sub- questions.

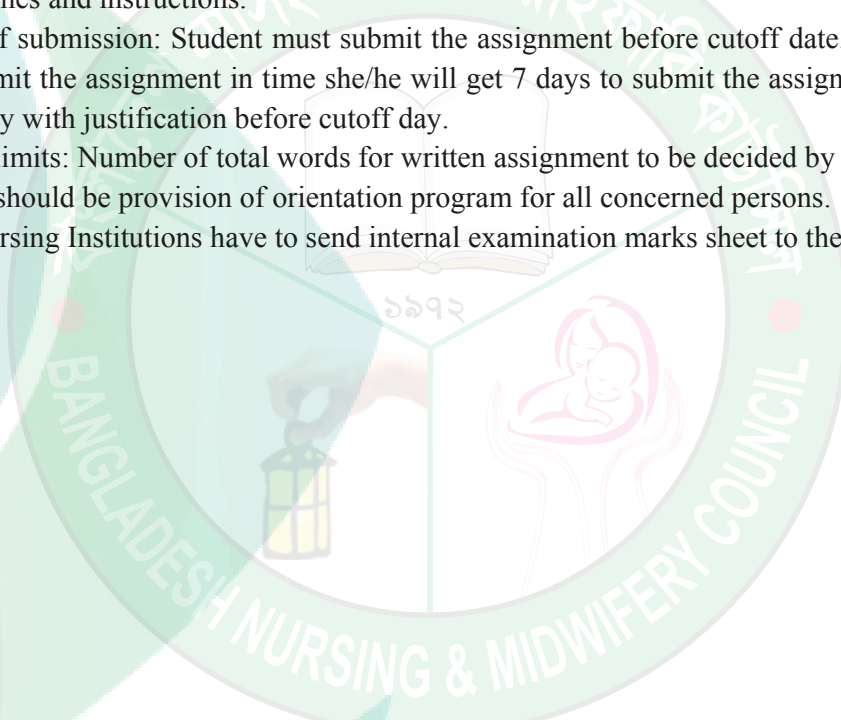
#### Essay Question (EQ):

- 40 marks are distributed as 20 marks for Group-A and 20 marks for Group-B
- Student has to answer 02 EQ out of 03 in Group-A & same as Group-B
- Each question will carry 10 marks having no sub- questions

## **Formative assessment**

### **In-course assessment:**

1. Class attendance 80% & practical attendance 85 %.
2. Type of assessment: Each individual course may have different types of assignment. It may include case study, report, notes, written paper presentation, nursing care plan, health education plan, and poster presentation/ power-point presentation.
3. Number of assignment: The number of assignment will be according to the guide line provided in the syllabus.
4. Marks: Marks for each assignment is specified in examination system.
5. Time: At least 4-6 weeks will be allocated for submission of an assignment for each individual course, depending on the nature of assignment. In-course assignment of all courses should not be handed to the students at a time as it will create a great deal of pressure on them.
6. For rewriting the assignment there will be a provision for continuous guidance and clear written guidelines and instructions.
7. Date of submission: Student must submit the assignment before cutoff date. If any student fails to submit the assignment in time she/he will get 7 days to submit the assignment but she/he has to apply with justification before cutoff day.
8. Word limits: Number of total words for written assignment to be decided by the faculty.
9. There should be provision of orientation program for all concerned persons.
10. All Nursing Institutions have to send internal examination marks sheet to the BNMC.



## Marks distribution of formative assessment:

### Formative assessment

1. **20 Mark is allocated for Microbiology, Computer & Information Technology, Pediatric Nursing and Orthopedic Nursing.**

#### 20 marks will be divided as follows:

Class attendance	= 2 ( $\geq 80\%$ )
Practical attendance	= 2 ( $\geq 85\%$ )
Class test examinations	= 8
<u>Quiz/assignment/field visit/report &amp; presentation</u>	<u>= 8</u>

**Total = 20**

2. **30 Mark is allocated for Behavioral Science, Basic Science, Psychiatric Nursing, Pharmacology, Communicative English, Leadership & Management and Research Methodology.**

#### 30 mark of formative assessment will be divided as follows:

Class attendance	= 2 ( $\geq 80\%$ )
Practical attendance	= 2 ( $\geq 85\%$ )
Class test examinations	= 12
<u>Field visit/assignment &amp; presentation/report writing</u>	<u>= 14</u>

**Total = 30**

3. **50 Mark is allocated for Anatomy and physiology, Fundamentals of Nursing, Medical & Surgical Nursing, Nutrition and Dietetics, Community Health Nursing and Midwifery.**

#### 50 mark of formative assessment will be divided as follows:

Class attendance	= 2 ( $\geq 80\%$ )
Practical attendance	= 2 ( $\geq 85\%$ )
Class test examinations	= 22
Case study/assignment & presentation/food fair/	
<u>Quiz/poster presentation/field visit/report</u>	<u>= 24</u>

**Total= 50**

### Oral or/and Practical

- i. Oral and practical examination will be conducted by internal and external examiners.
- ii. Oral and practical examination will be conducted together after written examination.
- iii. Student must pass oral and practical examination separately.
- iv. Number of examinee for each day: Student should not be more than 20.
- v. Allocation of marks for each question: depend on types of questions.
- vi. Both the examiners will give marks separately for all questions answered, both the examiners mark will be added and find out the mean/average marks.
- vii. Oral and practical marks will be added with the total marks.
- viii. Student must get 60% mark as pass mark.

### Leave system:

The student will get 4 weeks of annual leave in each year.

### Certification and Licensure:

Bangladesh Nursing and Midwifery Council will issue certificate and license as a registered nurse.

## Course Description

# 1<sup>st</sup> Year

### D111: Behavioral Science

Theory	: 144 hrs.
Laboratory	: 0
Practice	: 96 hrs.

#### Course Description:

Introduction to Behavioral Science and social matters; relationship between social science and the influence of social structure; political and economic aspects on health care system; culture embedding in society including values, beliefs, and practices of human behaviors; Personality; social changes, culture and its influence on health within Bangladesh community; basic concepts of Psychology, common psychological theories and process of personality development.

#### Goal:

The aim of the course is to acquire knowledge and skills regarding socio-cultural values, beliefs and practices, human mind and behaviors as well as factors affecting health and illness.

#### Course Objectives:

Upon completion of the course the students will be able to:

1. understand the behavioral science and social matters;
2. explain the relationship between behavioral science and social structures;
3. discuss the influence of socio-economic and political aspect on health care system;
4. identify cultural beliefs and practices in Bangladesh that affect people's health and health care;
5. describe social movements and initiatives regarding emerging and re-emerging health-related issues in Bangladesh;
6. explain the concept and evolution of psychology;
7. understand the common psychological theories;
8. identify stages of psychology and psychosocial development throughout the lifespan; and
9. practice in accordance with the professional code of ethics.

#### Teaching methods:

1. Brain storming
2. Lecture and discussion
3. Discussion
4. Field trips
5. Role play

## D112: Basic Science

Theory	: 96 hrs.
Laboratory	: 32 hrs.
Practice	: 0

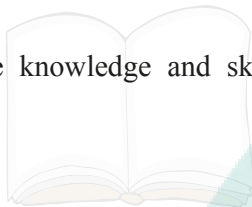
### Course Description:

Introduction to fundamental concepts of biological science including the organization and common characteristics of living matter, cell structures and functions, food production by photosynthesis, harvesting energy, mechanisms of cell reproduction, genetics, evolutions, and human biology.

Introduction to general chemistry including basic concepts about matter, atomic structure, chemical bonds, gases, liquid, and solids, solutions, chemical reactions, acid, bases, and salt; organic and biochemistry including hydrocarbons and their derivatives, carbohydrates, lipids, proteins, enzymes, vitamins, and minerals, nucleic acids; principles of physics and applications to nursing including gravity and mechanics, pressure, heat and electricity; nuclear chemistry and nuclear physics, effects of radiation on human beings, and protection and disposal.

### Goal:

The aim of the course is to acquire knowledge and skills in general biological science, general chemistry and physics.



### Course Objectives:

Upon completion of the course the students will be able to:

1. understand the fundamental concepts in the general biological science;
2. explain the characteristics of living matter and cell reproduction;
3. differentiate DNA and RNA and their roles in genetics;
4. explain principles of human organization and homeostasis;
5. understand the fundamental concepts in general chemistry including matter, atomic structure, chemical bonds, gases, liquid, and solids, solutions, chemical reactions, acid, bases, and salt organic;
6. explain the biochemistry including hydrocarbons and their derivatives, carbohydrates, lipids, proteins, enzymes, vitamins, and minerals, nucleic acids; and
7. explain the principles of physics and applications to nursing including gravity and mechanics, pressure, heat and electricity; nuclear chemistry and nuclear physics, effects of radiation on human beings, protection and disposal.

### Teaching methods:

1. Brain storming
2. Lecture and Discussion
3. Demonstration

## D123: Anatomy and Physiology

Theory	: 208 hrs.
Laboratory	: 48 hrs.
Practice	: 0

### Course Description:

The course is designed for the basic understanding of anatomical structure and physiological functions of human body: movement; homeostasis and metabolism of body systems ; nervous system, endocrine system, cardiovascular system, respiratory system, digestive system, urinary system, reproductive system, hematologic system, sensory organs, integumentary system, and immune system.

### Goal:

The aim of the course is to acquire knowledge and skills regarding Anatomy and Physiology

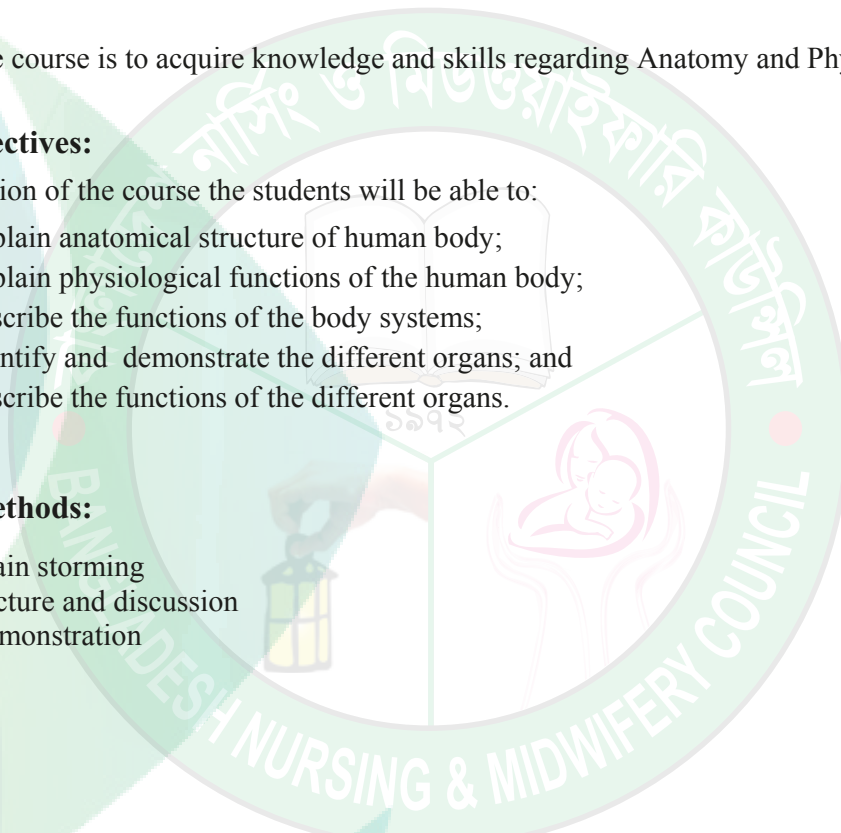
### Course Objectives:

Upon completion of the course the students will be able to:

1. explain anatomical structure of human body;
2. explain physiological functions of the human body;
3. describe the functions of the body systems;
4. identify and demonstrate the different organs; and
5. describe the functions of the different organs.

### Teaching methods:

1. Brain storming
2. Lecture and discussion
3. Demonstration





## D124: Microbiology and Parasitology

Theory	: 48 hrs.
Laboratory	: 16 hrs.
Practice	: 0

### Course Description:

The course is designed for the basic understanding of microbiology, and immunology; nature, reproduction, growth, and transmission of common microorganisms and parasites in Bangladesh; prevention and control, universal precaution and immunization, sterilization, and disinfection; and specimen collections and examination.

### Course Goal:

Students will have an understanding of common organisms and parasites caused human diseases and acquire knowledge about the prevention and control of those organisms.

### Course Objectives:

Upon completion of the course the students will be able to:

1. describe scopes of microbiology and parasitology;
2. explain nature, reproduction, growth, and transmission of common microorganisms and parasites in Bangladesh;
3. explain how microorganisms cause human diseases;
4. outline and explain strategies used to prevent and control microorganisms including universal precaution techniques, use of microbial control methods, and immunization;
5. analyze situations embedding in hospital culture and Bangladesh culture that may contribute to hospital-acquired infection and infectious diseases;
6. compare active and passive immunization; and
7. explain the use of microscope and steps to prepare and collect specimens for microscopic examination.

### Teaching methods:

1. Lecture and discussion
2. Demonstration
3. Clinical visit
4. Group discussion
5. Writing report

## D135: Fundamentals of Nursing

Theory	: 252 hrs.
Laboratory	: 92 hrs.
Practice	: 480 hrs.

### Course Description:

The course has included Nursing history; basic concepts relevant to the nursing and factors influencing the nursing as a profession; nursing ethics and Ethical Principles of nursing, Legal issues and law, Nursing regulations and bioethical issues; BNMC code of conducts; nurses' roles, competencies; communication in nursing; assertive and responsible communication; understanding of the interpersonal and therapeutic relationship; key elements in building relationships including; barriers to effective communication; communicating with other health care professionals; professional standards. Concepts, principles and practice of first aid and wound care including nursing techniques and procedures, recording and reporting, basic need for nutrition and hydration and elimination, administering oxygen, medication and blood products. Health assessment; sources of data and assessment strategies; diagnostic tests and investigations.

### Goal:

The aim of the course is to develop competencies of the students regarding Fundamentals of Nursing.

### Course Objectives:

Upon completion of the course the students will be able to-

1. describe the historical development of the nursing profession;
2. understand the fundamentals of nursing and explain basic concepts relevant to the nursing and factors influencing the nursing as a profession; nursing ethics including the BNMC Code of conducts;
3. discuss nurses' roles and competencies required in promoting, maintaining, and restoring health;
4. describe principles of care emphasizing on responding to basic needs for physical comfort and personal hygiene, safety, infection control, environmental comfort and demonstrate positioning, transferring, activity and exercise, nutrition/hydration, and elimination;
5. demonstrate ability to identify needs of and respond to wound care and oxygenation; correctly administer medication, intravenous fluid, and blood products; to perform hospital admission and discharge; correctly evaluate and document nursing implementation;
6. understand the concept of communication in nursing competencies; communication in nursing; assertive and responsible communication; understanding of the interpersonal and therapeutic relationship; key elements in building relationships including; barriers to effective communication; communicating with other health care professionals; professional standards;
7. complete a head to toe physical assessment, as well as psychosocial, spiritual assessment and diagnostic tests and investigations in a systematic manner; and
8. explain the basic concepts of first aid and bandaging and demonstrate its procedures.

### Course Requirements

1. Attending in class 80%
2. Attending in lab practice 85%
3. Participating in group assignments.
4. Self-learning and practice in the nursing laboratory prior to clinical practice.

### Teaching methods;

1. Brain storming
2. Lecture and Discussion
3. Demonstration
4. Simulation
5. Role play
6. Clinical teaching

## D116: Communicative English

Theory	: 48 hrs.
Laboratory	: 32 hrs.
Practice	: 0

### Course Description:

This course is designed to help students develop an ability to comprehend spoken and written English; so as to communicate in English within the health care teams, clients, and administrative corresponding effectively.

### Goal:

The goal of this course is to acquire knowledge in Communicative English effectively.

### Course Objectives:

Upon completion of the course the students will be able to:

1. apply basic grammatical structure and basic semantics in daily communication;
2. read and comprehend health related abstracts or short essays;
3. listen and comprehend short dialogues related to health issues;
4. write a short essay or paragraph of not less than 100 words; and
5. speak and communicate in English in daily life.

### Teaching Methods

1. Brain storming
2. Lecture and discussion
3. Self-study
4. Group work
5. Debate

## D117: Computer and Information Technology

Theory	: 32 hrs.
Laboratory	: 32 hrs.
Practice	: 0 hr

### Course Description:

The course is designed to orient the basic 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.

### Goal:

The aim of the course is to acquire knowledge and skills regarding computer and its applications in Nursing.

### Course Objectives:

After completion of the course students will be able to:

1. understand the basic concepts of computer and information technology;
2. identify the importance of computer in nursing science;
3. demonstrate Microsoft Word for word processing;
4. demonstrate Microsoft Excel for spreadsheets;
5. apply Microsoft Power Point for slide presentations and graphic animations; and
6. access internet to retrieve information and make use of Website.

### Teaching Methods:

1. Lecture and Discussion
2. Demonstration
3. Assignment & Presentation

# 2<sup>nd</sup> Year

## **D231: Medical and surgical Nursing**

Theory : 248 hrs.

Laboratory : 104 hrs.

Practice : 480 hrs.

### **Course Description:**

This course is designed to understand the care of common medical surgical problems, the nature of acute and chronic illness; pathophysiology of disease and utilization of nursing process for nursing practices in clinical settings.

### **Goal:**

The aim of the course is to acquire knowledge and skills regarding Medical and Surgical Nursing including Pathophysiology

### **Course objectives:**

On completion of the course the student will able to:

1. understand the common Medical and Surgical Nursing Care;
2. describe the nature of acute and chronic illness;
3. explain the nature of diseases and pathogenesis; and
4. develop and apply the nursing process to assess the patient's needs in appropriate way.

### **Teaching Methods:**

1. Brain storming
2. Lecture
3. Group discussion
4. Demonstration
5. Assignment
6. Role play
7. Case study
8. Clinical teaching

## D222: Pharmacology

Theory	: 80 hrs.
Laboratory	: 0
Practice	: 0

### Course Description:

Incorporated contents within the course are: Introduction and basic principles of drug action; pharmaceutics, pharmacokinetic, and pharmacodynamics; essential drugs; forms of drugs and preparation; action, adverse effect, antibiotics and antiparasitic, anti-inflammatory drugs, antipyretics and analgesics, drugs affecting body systems.

### Goal:

The aim of the course is to acquire knowledge and understanding of basic pharmacology.

### Course Objectives:

Upon completion of the course the students will be able to:

1. understand the basic concepts of pharmacology;
2. explain general principles of drug action (pharmaceutics', pharmacokinetic, and pharmacodynamics); and
3. explain the classification of drugs and its actions, adverse effects and drugs affecting body systems.

### Teaching Methods:

1. Lecture and discussion
2. Group discussion and presentation

## D223: Nutrition and Dietetics

Theory	: 80 hrs.
Laboratory	: 64 hrs.
Practice	: 96 hrs.

### Course Description:

The indicative contents of the course are : Introduction to nutrition; roles of nutrition on health; human needs of nutrients across life span; dietary patterns of population and factors affecting nutritional deficits within Bangladeshi culture; nutritional health problems, nutritional assessment, and nutritional support.

### Goal:

The aim of the course is to acquire knowledge and skills regarding nutrition and dietetics.

### Objectives:

Upon completion of the course the students will be able to:

1. understand the concept of nutrition and dietetics;
2. explain the roles of nutrition on Health;
3. describe the common nutritional health problems in Bangladesh;
4. discuss the human needs of nutrients throughout the life span;
5. explain the methods of nutritional assessment; and
6. understand the nutritional support and dietary requirements.

### Teaching methods:

1. Lecture and discussion
2. Demonstration
3. Group discussion and presentation
4. Field visit: (Hospital kitchen, Food service department)

## D234: Community Health Nursing

Theory	: 196 hrs.
Laboratory	: 0
Practice	: 96 hrs.

### Course Description:

This course is designed to understand the concept of community health nursing: nurses' roles and interventions in family health, school health, occupational health, environmental health, elderly health care, gender issues disaster management and principles and terminology of epidemiology.

### Goal:

The aim of the course is to acquire knowledge and skills in community health nursing.

### Course Objectives:

Upon completion of the course the students will be able to:

1. understand the concept of community health nursing;
2. explain the nurses roles and intervention for family health;
3. discuss the concept school health;
4. explain the environmental health care;
5. describe the elderly health care;
6. state the occupational health care;
7. explain the gender issues;
8. discuss disasters and its management; and
9. explain the principles and terminology of Epidemiology.

### Teaching methods:

1. Brain storming
2. Lecture & discussion
3. Role Play
4. Group work and presentation
5. Field visit
6. Assignment and presentation



## D235: Pediatric Nursing

Theory	: 116 hrs.
Laboratory	: 48 hrs.
Practice	: 96 hrs.

### Course Description:

The course is designed for the basic understanding of pediatric nursing: principles of care of sick children, growth and development, children with acute and chronic illness and autism.

### Goal:

The aim of the course is to acquire knowledge and skills regarding Pediatric Nursing.

### Course Objectives:

Upon completion of the course the students will be able to:

1. understand the concept of pediatric nursing;
2. explain the principles of care of sick children;
3. explain the growth and development of children;
4. provide nursing care to the children with acute and chronic illness; and
5. understand the concept of autistic health care.

### Teaching methods:

1. Brain storming
2. Lecture and discussion
3. Role play
4. Group discussion
5. Clinical teaching
6. Case study
7. Field visit
8. Simulation
9. Assignment & Presentation

# 3<sup>rd</sup> Year

## **D331: Midwifery**

Theory	: 280 hrs.
Laboratory	: 96 hrs.
Practice	: 816 hrs.

### **Description:**

This course is designed to understand the concept of midwifery, the care of pregnant women and newborn: antenatal, intra-natal and postnatal; breast feeding, family planning, newborn care and ethical issues.

### **Goal:**

The aim of the course is to acquire knowledge and develop competencies regarding midwifery, complicated labour and newborn care including family planning procedure, practice and perform all.

### **Course Objectives:**

Upon completion of the course, students will be able to:

1. understand the concept of midwifery;
2. explain the roles and responsibilities of a midwife;
3. describe the physiological and psychological changes during antenatal, intra-natal and postnatal;
4. discuss the mechanism of labour;
5. identify and discuss common complicated labour and newborn;
6. demonstrate ability in active management of normal delivery and care of newborn;
7. provide health education for women during pregnancy and post partum regarding family planning;
8. demonstrate Knowledge and skills regarding family planning, contraceptives including the procedures of contraceptives methods; and
9. State the ethical, social and legal issues related to labour and newborn care.

### **Teaching Method**

1. Lecture and Discussion
2. Demonstration
3. Assignment and presentation
4. Role play
5. Clinical teaching
6. Case Study

## D332: Psychiatric Nursing

Theory	: 96 hrs.
Laboratory	: 0
Practice	: 48 hrs.

### Description:

This course is designed to understand the basic concept of psychiatric nursing; determinants of mental illness; Psychotherapeutic Modalities; Bio-Psychosocial theories of mental health and illness; promotion of mental health and psychiatric nursing care.

### Goal:

The aim of the course is to acquire knowledge in psychiatric nursing.

### Course Objectives:

Upon completion of the course, students will be able to:

1. understand the basic concept of psychiatric nursing;
2. discuss the mental health and illness;
3. identify client with psychiatric and mental health problems;
4. describe the basic concept of Psychotherapeutic Modalities; and
5. state mental health promotion and psychiatric nursing care.

### Teaching methods:

1. Brain storming
2. Lecture and discussion
3. Role play
4. Group discussion and presentation
5. Field trip

## D333: Orthopedic Nursing

Theory	: 96 hrs.
Laboratory	: 48 hrs.
Practice	: 96 hrs.

### Course Description:

This course is designed to understand the basic concept of orthopedic nursing; immobility; nurse's roles of preventive, curative, promotional and rehabilitation of musculoskeletal injuries, autoimmune and inflammatory disorders, degenerative disorders, infections, neoplasms, congenital and developmental disorders and use of orthopedic devices.

### Goal:

The aim of the course is to acquire knowledge and skills regarding care of orthopedic clients.

### Course Objectives:

Upon completion of the course the students will be able to:

1. understanding the concept of orthopedic nursing;
2. describe the nurses' roles for the management of orthopedic cases;
3. discuss the concepts and care of clients with fracture and dislocation, immobilization and rehabilitation;
4. describe and identify common orthopedic disorders; and
5. identify the use of immobilization modalities and orthopedic devices.

### Teaching methods:

1. Brain storming
2. Lecture and discussion
3. Demonstration
4. Group discussion and presentation
5. Case study and presentation
6. Role play
7. Clinical teaching

## D334: Leadership and Management

Theory	: 96 hrs.
Laboratory	: 0
Practice	: 0

### Course Description:

This course is designed to understand the basic concept of Nursing Leadership and Management Principles and functions of administration and management, organization, time management, resource management, inventory, managing conflict, delegation and supervision, authority and responsibility, record and reporting and ethical consideration on nursing leadership and management.

### Goal:

The aim of the course is to acquire knowledge regarding nursing leadership and management.

### Course Objectives:

Upon completion of the course, students will be able to:

1. understand the concept of nursing leadership and management;
2. describe the leadership styles;
3. explain the principles and functions of administration and management;
4. identify the key roles of nursing leadership and management;
5. understand the concept of organization;
6. discuss the resource management;
7. discuss the ward management;
8. explain the techniques of conflict management;
9. discuss about the time management;
10. explain inventory and inventory control;
11. explain the delegation, supervision, authority and responsibility;
12. describe the recording and reporting system; and
13. describe the legal and ethical consideration on nursing leadership and management.

### Teaching methods:

1. Lecture and discussion
2. Group discussion and presentation
3. Role play
4. Assignment and presentation
5. Field visit

## D335: Research Methodology

Theory	: 80 hrs.
Laboratory	: 0
Practice	: 0

### Course Description:

This course is designed to understand the basic concept of Research: Research Terminology and Research Methodology.

### Goal:

The aim of the course is to acquire knowledge on research methodology.

### Course Objectives:

Upon completion of the course the students will be able to:

1. describe basic concepts of research;
2. define the terms used in research;
3. describe research methodology; and
4. write how to make a research report writing.

### Teaching methods:

1. Brain storming
2. Lecture and discussion
3. Group discussion and presentation
4. Pees group assessment

**Marking criteria for written assignment/oral presentation/poster/booklet should be as follows:**

Criteria for written assignment	Criteria for oral Presentation	Criteria for Poster	Criteria for Report
Accuracy	Audibility	Appearance	Organization
Clarity	Use of Visual Aids	Illustration of ideas	Accuracy
Structure	Time Keeping	Flow &Sequence	Presentation of data
Critical ability	Body Language	Balance of words &Images	Originality
Originality	Audience Involvement	Heading	Logical progression

**Annex-1****Master Plan: Diploma in Nursing Science and Midwifery Programme****Year 1**

1	T	2	T	3	T	4	T	5	T	6	T	7	T	8	T	9	L	10	L	11	T	12	T	13	T	14	T	15	L	16	CP	17	CP	18	CP	19	CP	20	T	21	T	22	L	23	L	24	T	25-26	School Break
2	T	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			Review		Test Exam		Test Exam		Study leave		BMMC Exam		School Break												
T	T	CP	CP	CP	CP	CP	T	L	CP	CP	CP	CP	T	T	T	L	CP	CP	CP	CP	CP	CP	CP	T	T	T	T	L	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP			

T=Theory, L= Lab, CP=Clinical Practice  
(Theory = 23x36=828, Lab=7x36=252, CP = 12x48=576)

**Master Plan: Diploma in Nursing Science and Midwifery Programme**  
**2<sup>nd</sup> year**

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	L	L	CP	CP	CP	CP	CP	CP	T	T	T	CP	CP	CP	CP	T	T	T	T	T	School Break
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	CP	CP	CP	CP	CP	CP	T	T	Review	Test Exam	Test Exam	T	L	L	T	Study leave	BMC Exam	School Break	

T=Theory, L= Lab, CP=Clinical Practice  
(Theory = 20x36=720, Lab=6x36=216, CP = 16x48=768)



**Master Plan: Diploma in Nursing Science and Midwifery Programme**

**3<sup>rd</sup> year**

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	L	L	CP	CP	CP	CP	T	T	CP	CP	CP	CP	T	T	School Break
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	CP	CP	CP	CP	CP	CP	T	T	CP	CP	T	T	Review	Test Exam	Test Exam	T	L	L	T	Study leave	BNMC Exam	School Break	

T=Theory, L= Lab, CP=Clinical Practice  
(Theory = 18x36=648, Lab=4x36=144, CP = 20x48=960)

## Annex-2

### A sample of rotation plan for clinical placement

Number of students: 48

Each group consist of 08

Group	Week-1	Week-2	Week-3	Week-4	Week-5	Week-6
<b>G-A</b>	M-W	S-W	OT	OPD	L-W	P-W
<b>G-B</b>	S-W	L-W	OPD	OT	P-W	M-W
<b>G-C</b>	P-W	OPD	M-W	S-W	OT	L-W
<b>G-D</b>	L-W	M-W	S-W	P-W	OPD	OT
<b>G-E</b>	OT	P-W	L-W	M-W	S-W	OPD
<b>G-F</b>	OPD	OT	P-W	L-W	M-W	S-W

**Nota Bene:** The subject teacher will be responsible for clinical placement by preparing a rotation plan as appropriate. She/he will ensure that each student get equal practice opportunities in all areas. The rotation plan must made on the basis of Yearly Master Plan

## Annex- 3 Students' clinical performance evaluation form

Student Name: \_\_\_\_\_

BNMC Student ID: \_\_\_\_\_

Year: \_\_\_\_\_

Course title : \_\_\_\_\_

Academic year: \_\_\_\_\_

Instructor : \_\_\_\_\_

Key performance	Observed Behaviors/Criteria	Outcome (rating scores)				Notes/ Remark
		Excellent (4)	Good (3)	Fair (2)	Need improvement	
<b>Assessment</b>	<b>Data Collection</b>					
	Essential data are collected					
	Data are exhaustive, comprehensive and completed					
	Data are accurate and reliable					
	Data are updated					
	<b>Identifying clients' needs/expectation/problems</b>					
	Clients' needs/ expectation/problems reflects nursing problem					
	Clients' needs/ expectation/problems are comprehensive and holistic					
	Data support indentified problems					
	Problems are prioritizes					
<b>Planning</b>	<b>Formulating objectives</b>					
	Objectives are comprehensive and supported the identifying problems					
	Clients involve in planning process					
	Objectives are accordance with medical treatment					
	Objectives are prioritized					

Key performance	Observed Behaviors/Criteria	Outcome (rating scores)				Notes/Remark
		Excellent (4)	Good (3)	Fair (2)	Need improvement	
Planning (Cont'd)	<b>Identifying intervention</b>					
	Intervention are comprehensive and supported the identified problems and objectives					
	Intervention are identified with sound rationale (based on scientific knowledge)					
	Intervention are specific and appropriate to clients' problems and situations					
	Clients and/or members are actively involved in a plan of care					
	<b>Stating evaluation criteria</b>					
	Evaluation criteria are comprehensive					
	Evaluation criteria are based on scientific knowledge.					
	Evaluation criteria are specific and appropriate for clients					
	Evaluation criteria are suitable to situation					
Implementation	<b>Implementing care plan</b>					
	Implementations are comprehensive and specific to clients					
	Implementations are prioritized					
	Implementations are modified appropriately					
	Student notifies an instructor, other health care team and clients when a plan of care changed or modified					
	<b>Using aseptic technique and universal precaution</b>					
	Wash hand before and after providing care					
	Wears mask, gown and gloves or using other materials or equipments appropriately					

Key performance	Observed Behaviors/Criteria	Outcome (rating scores)				Notes/Remark
		Excellent (4)	Good (3)	Fair (2)	Need improvement	
Implementation (Cont'd)	Maintain cleanliness and/or destroys germs appropriately					
	Maintains sanitary environment of clients					
	<b>Nursing skills</b>					
	Follows correct steps of nursing procedures					
	Provides gentle care					
	Performs nursing care smoothly					
	Performs nursing care with an awareness of safety of oneself					
	<b>Behaviors during practicing in clinic</b>					
	Wear a clean nursing suit					
	Adheres to the institute's roles and regulations					
	Presents self confidence and express ideas appropriately					
	Respects others					
	<b>Responsibilities and Accountabilities</b>					
	Complete all assignment					
	Be on time					
	Be responsible and accountable on assigned work					
	Devotes self for nursing practice					
	<b>Effectiveness of nursing interventions</b>					
	The objectives of care are met with quality					
	Equipments and materials are used effectively and wisely					
	Equipments and materials are Applied appropriately					
	Time and effort are managed appropriately					

Key performance	Observed Behaviors/Criteria	Outcome (rating scores)				Notes/ Remark
		Excellent (4)	Good (3)	Fair (2)	Need improvement	
Implementation (Cont'd)	<b>Recording and reporting nursing actions</b>					
	Documents whenever performing nursing intervention					
	Record data is comprehensive and accurate					
	Data is recorded in timely manner and/or based on priority					
	Data is recorded concisely and clearly					
	<b>Relationship with clients and their families</b>					
	Demonstrates therapeutic relationship					
	Presents an intention to listen to concerns of clients and willingness to support/assist					
	Encourages the clients to involve in nursing care					
	Uses appropriate language and manners					
	<b>Relationship with those involved in care</b>					
	Works cooperatively and appropriately					
	Follows up on instructors' question, comments and/or suggestions					
	Motivates others to involved in nursing care					
	Uses appropriate language and manners					
	<b>Safe nursing practices</b>					
	Maintains in safe environment of client					
	Be alert and sensitive to the potential errors					
	Possesses careful practices and recognizes the need for safety on oneself					
	Notifies immediately when errors occur					

Key performance	Observed Behaviors/Criteria	Outcome (rating scores)				Notes/Remark
		Excellent (4)	Good (3)	Fair (2)	Need improvement	
<b>Implementation (Cont'd)</b>	<b>Ethical behaviors</b>					
	Provides care without discrimination					
	Exhibits evidence of personal integrity (honesty and credibility )					
	Possesses a reliable attribute in both verbal and non-verbal behaviors					
	Be able to control emotion appropriately from time to time					
	<b>Respect clients</b>					
	Inform clients and /or relatives before providing care					
	Maintains clients privacy at all time					
	Maintains confidentiality of client information unless otherwise permitted					
	Provides an opportunity for clients to express their needs					
<b>Evaluation</b>	<b>Organizing evaluation</b>					
	Evaluation criteria are comprehensive and exhaustive					
	Uses appropriate tools					
	Analysis data base on scientific knowledge					
	Evaluates nursing practice constantly and continuously					
	<b>Utilizing evaluation results to nursing practices</b>					
	Uses evaluation result in assessing client's needs/problems					
	Uses evaluation result in planning care					
	Uses evaluation result in performing nursing activities					
	Uses evaluation result in evaluating nursing practices					

Key performance	Observed Behaviors/Criteria	Outcome (rating scores)				Notes/Remark
		Excellent (4)	Good (3)	Fair (2)	Need improvement	
<b>Evaluation (Cont'd)</b>	<b>Using evaluation results for self improvement in</b>					
	Increasing knowledge					
	Self analysis					
	Improving nursing skills					
	Improving interpersonal relationship skills					
	<b>Frequency</b>					
	<b>Scores (Frequency X rating Scores)</b>					
	<b>Total score(80X4=320)</b>	Percent=				

**Additional**

Comments/suggestions.....

.....

.....

.....

Instructor's signature.....

Date.....

Student's signature.....

Date.....



**Annex – 4**

**Bangladesh Nursing and Midwifery Council**  
(Name of Nursing Institute/College.....)

**Case plan form for clinical practicum**

**Student profile:**

Student name.....	Year & Roll no.....
Course.....	BNMC Reg/no.....
Name of clinical Instructor.....	Designation.....
Duration of care given.....	( day) From..... to .....

**Patient/ Client profile:**

Patient / Client ID.....	Ward no.....	Bed no.....
Age.....	Sex.....	Marital status.....
Educational level.....	Religion.....	
Occupation.....	Address.....	
Date of admission.....	Time.....	Surgical procedure( if any )
Informant.....	Date of Surgical procedure.....	

**1. Patient illness history:**

1.1 Chief complaints:-

.....  
.....  
.....

1.2 Present illness:-

.....  
.....  
.....  
.....

1.3 Past illness:- ( Immunization. Previous surgical procedure, Medical problem, uses of drugs)

.....  
.....  
.....

.....  
.....  
1.4 Family history:- ( Hereditary disease in the family)

.....  
.....  
.....

**2. Health assessment & Physical examination :-**

2.1 Vital signs:-      Temperature.....  
Pulse rate ..... Rhythm.....  
Resp..... Rhythm.....  
Blood pressure..... Pupils.....  
Body weight..... kg ..... Height.....

2.2 Physical examination:-

- General appearance ( Looking ) .....
- Nutritional status.....
- Skin condition.....
- Anaemia.....
- Jaundice.....
- Cyanosis.....
- Oedema.....
- Clubbing.....
- Skull, Scalp, face, neck, thyroid.....
- Nose and sinus.....
- Mouth ( tongue, gingiva, teeth, palate).....
- Throat and tonsils.....
- Ears ( External and internal canals ).....
- Eyes ( Pupils size and light reaction, conjunctiva, eye movement ).....
- Lung and chest including breast .....
- Heart ( rate, rhythm, sound).....
- Abdomen and viscera.....
- Extremities.....
- Lymphatic glands.....
- Neurological assessment ( motor and sensory function, reflexes ).....

2.3 Psychological assessment.....

.....  
.....  
2.4 Spiritual assessment.....

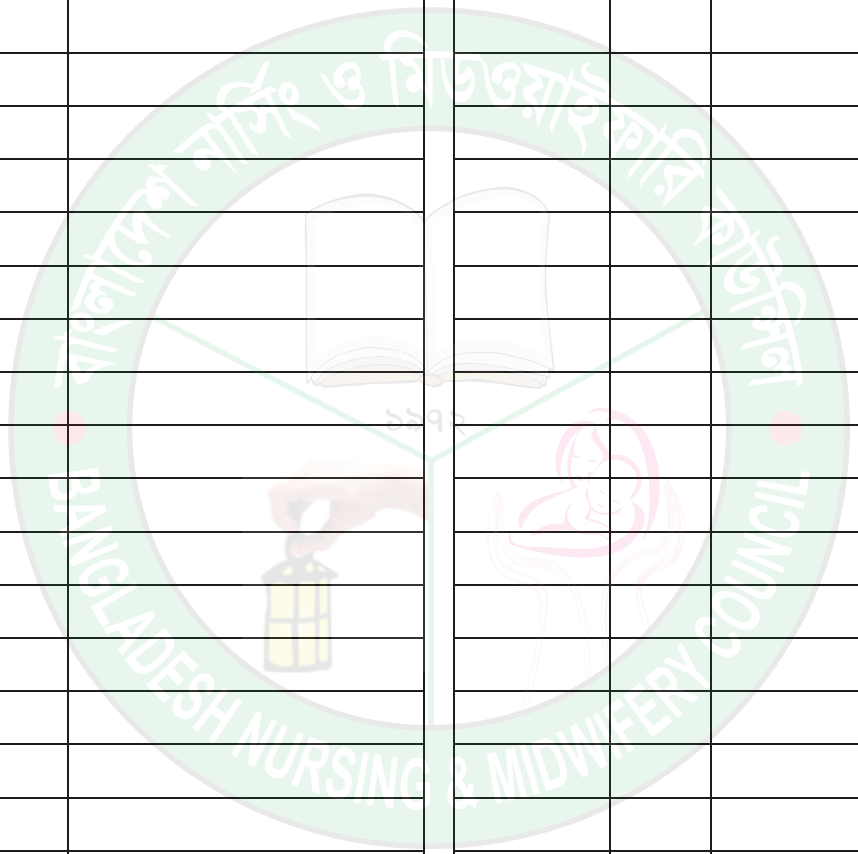
.....  
.....  
2.5 Family's concerns.....  
.....

**3. Summary of sign and symptoms of a client under your care**.....  
.....  
.....  
.....

**4. Laboratory and investigation results:**

Date	Name of investigation/ test	Result	Remark

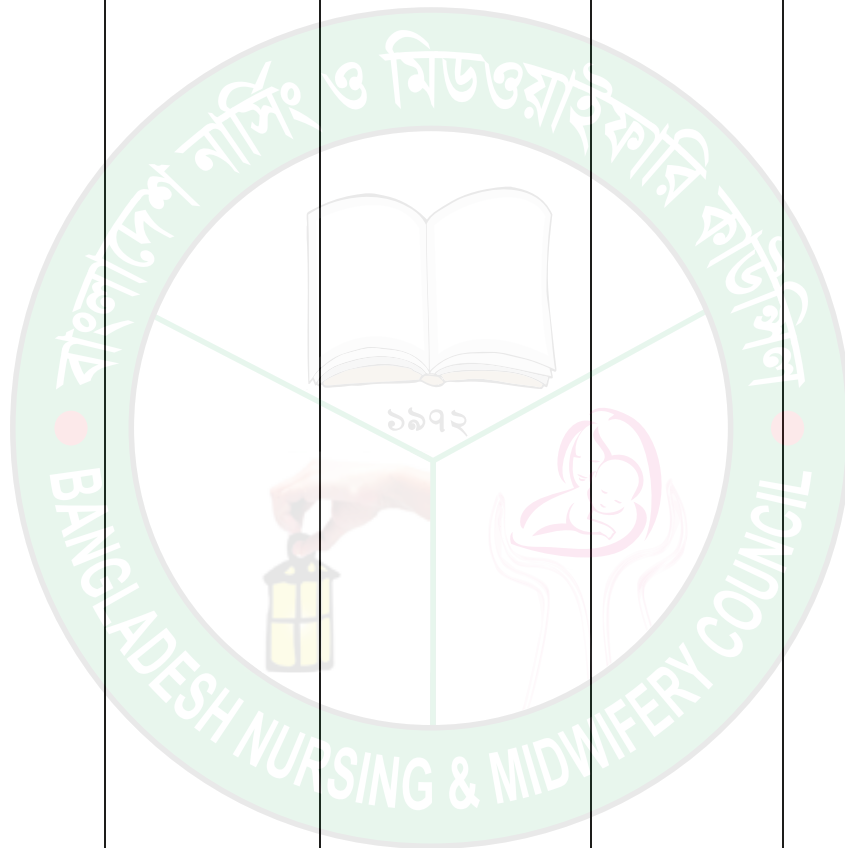
5. Treatment plan (Doctor’s order sheet)



Date	Time	Order for continuation	Date	Time	Order for continuation

## 6. Nursing care plan

Patient's needs/ Problems	Objectives	Nursing Intervention	Rational	Evaluation / out come



**Annex – 5**

**Bangladesh Nursing and Midwifery Council**  
(Name of Nursing Institute/College.....)

**Instructor Evaluation form for clinical Course**

Student name:..... Year:.....

Course:.....

Name of Nurse Instructor:..... Day of submission:.....

<b>Item rating scale</b>	<b>Excellent</b>	<b>Very good</b>	<b>Good</b>	<b>Average</b>	<b>Need improvement</b>
<b>The instructor is able to</b>					
1. Explain students to understand the objectives of practical course in each setting					
2. Teach students to gain knowledge and understanding about the contents of selected topics					
3. Encourage student to think and analyze critically in topics being taught					
4. Use various means of teaching technique, professional experiences in teaching in order to encourage learning experience of students					
5. Help students link theoretical knowledge to clinical experiences					
6. Recommend information resource(s) for literature search					
7. Encourage students to present their opinion and share experiences in appropriate manners?					
8. Assign and/or provide appropriate clinical experience to the course's objectives					
9. Assess/evaluate knowledge and understanding of students in selected subject					
10. Take responsibility in teaching					
11. Integrate ethical issues while teaching					
Frequency of score					
Raw score (score X frequency)					
Total score					
Mean score (total score/11)					
Percentage					
<b>Comments/suggestion</b>	<b>Interpretation</b>				
.....	Excellence	= 4.21 – 5.00			
.....	Very good	= 3.40 – 4.20			
.....	Good	= 2.61 – 3.40			
.....	Average	= 1.81 – 2.60			
.....	Need improvement = < 1.81				

Annex – 6

**Bangladesh Nursing and Midwifery Council**  
(Name of Nursing Institute/College.....)

**Instructor Evaluation form for Theory Course**

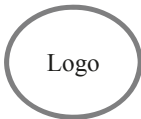
Student name:..... Year:.....

Course:.....

Name of Nurse Instructor:..... Day of submission:.....

Item	Excellent (5)	Very good (4)	Good (3)	Average (2)	Need improvement (1)
<b>Be able to</b>					
1. Explain students to understand the objectives of the topic					
2. Present and explain students to gain knowledge and understanding about the contents of the topic					
3. Encourage student to think, discuss and analyze critically in topics being taught					
4. Use various technique, professional experiences in teaching in order to encourage learning experience of students					
5. Help students link related personal experiences to theoretical knowledge					
6. Use visual aids in presenting ideas/issues					
7. Encourage students to present their opinion and share experiences/ideas					
8. Assign appropriate work to meet the objectives					
9. Assess/evaluate knowledge and understanding of students					
10. Take responsibility in conducting the meeting					
11. Integrate ethical issues while conducting the meeting					
<b>Comments/suggestion</b>	<b>Interpretation</b>				
.....	Excellence = 4.21 – 5.00				
.....	Very good = 3.40 – 4.20				
.....	Good = 2.61 – 3.40				
.....	Average = 1.81 – 2.60				
.....	Need improvement = < 1.81				

**Annex-7**



**Name of Institute  
Academic Transcript  
Diploma in Nursing Science and Midwifery  
Examination December 20 .....**

Name ..... Father's Name:..... Mother's Name: .....

**BNMC Student ID:** ..... **Session:** ..... **Roll No.** ..... **Medium of Instruction: English**

	Course Code	Course Name	Hours				Grade	Attempt
			Theory	Lab	Practice	Total		
<b>First Year</b>	D111	Behavioral science	144	-	96	240		
	D112	Basic Science	96	32	-	128		
	D123	Anatomy & physiology	208	48	-	256		
	D124	Microbiology and Parasitology	48	16	-	64		
	D135	Fundamentals of Nursing	252	92	480	824		
	D116	Communicative English (Internal)	48	32	-	80		
	D117	Information & Communication Technology (Internal)	32	32	-	64		
<b>Second Year</b>	D231	Medical & Surgical Nursing	248	104	480	832		
	D222	Pharmacology	80	0	0	80		
	D223	Nutrition and Dietetics	80	64	96	240		
	D234	Community Health Nursing	196	-6	96	292		
	D 235	Pediatric Nursing	116	48	96	260		
<b>Third Year</b>	D 331	Midwifery	280	96	816	1192		
	D332	Psychiatric Nursing	96	-	48	144		
	D333	Orthopedic Nursing	96	48	96	240		
	D334	Leadership and Management	96	-	-	96		
	D335	Research methodology	80	-	-	80		
<b>Six Months Internship has been performed</b>								

Grading Scale

Marks obtained (%)	Grade	Grade Point
80% - 100%	A+	4
75% - 79%	A	3.75
70% - 74%	A-	3.50
65% - 69%	B+	3.25
60% - 64%	B	3.00
Less than 60%	F	0

**Prepared by: .....**

**Compared by: .....**

**In-charge: .....**



## Annex-8

### List of Reviewers/ Experts:

- Ms. Shuriya Begum, Registrar, Bangladesh Nursing and Midwifery Council
- Ms. Rashida Akhter, Deputy Registrar, Bangladesh Nursing and Midwifery Council
- Ms. Hamima Umme Morsheda, Nursing Instructor Incharge, Nursing Institute, Naogaon.
- Ms. Manju Rani Sarker, Principal , Nursing Institute (NI), SSMCH, Mitford
- Dr. Md. Mofiz Ullah, Professor, College of Nursing, Mohakhali-Dhaka
- Haridas Adhikary, Associate Professor, Department of Graduate Nursing, BSMMU.
- Md. Salahuddin Madber, Nursing Instructor Incharge, Nursing Institute, Brahmanbaria

### IT Assistance:

- Md. Murad Shikder, Assistant Programmer, Bangladesh Nursing and Midwifery Council

### Official Assistance:

- Md. Abul Kalam, Account Officer, Bangladesh Nursing and Midwifery Council
- Md. Monjurul Karim, Admin Officer, Bangladesh Nursing and Midwifery Council
- Md. Jubaer Arafat, Steno-to Registrar, Bangladesh Nursing and Midwifery Council

