

curriculum

**Bachelor of Science in Post Basic Nursing  
And  
Bachelor of Science in Post Basic Public Health Nursing**

**Updated in 2019**



**Bangladesh Nursing & Midwifery Council  
Dhaka, Bangladesh**

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## **Bachelor of Science in Post Basic Nursing and Bachelor of Science in Post Basic Public Health Nursing**

### **Background**

The B.Sc. in Post Basic Nursing and B.Sc. in Post Basic Public Health Nursing Curriculum of Bangladesh were revised in 1998. This curriculum has been implementing since 2001. The course consists of two years and designed for registered nurses who completed Diploma in Nursing and Diploma in Midwifery / Orthopedics Nursing / Psychiatric Nursing and who completed Diploma in Nursing Science and Midwifery course. Curriculum is continuous changing process because of dynamic advancement of medical technologies, changing of disease patterns, nursing interventions, process and its scientific management as well as increasing the demand of the qualified nurses nationally and internationally. Meanwhile, the present curriculum is needed to be changed for updating because of changing of nursing educational system for the achievement of organizational goals and to maintain the uniformity in between different universities within the country. Therefore, the Government of Bangladesh has taken decision to update the existing curriculum document.

**Name of the Program:**

Bachelor of Science in Post Basic Nursing  
And  
Bachelor of Science in Post Basic Public Health Nursing

**Degree Awarded:**

**Bachelor of Science in Post Basic Nursing**  
**And**  
**Bachelor of Science in Post Basic Public Health Nursing**

**Duration of the Program**

Bachelor of Science in Post Basic Nursing and Bachelor of Science in Post Basic Public Health Nursing courses are designed for 02(two) academic years. Two (02) academic years of education is compulsory for both courses. Academic year will be started from July in each year.

**Goal:**

The overall goal of the educational program is to prepare qualified and competent nurses who will be able to demonstrate the skills of using in-depth knowledge-based practice for the provision of holistic and client-centered care to prevent, promote, maintain, and restore the health of individuals, families, and communities in complex health situations to achieve the Sustainable Development Goals (SDGs).

**Specified Course Objectives:**

The objectives of this educational program are to develop advanced professional nurses who will be able to:

1. Demonstrate a good understanding of anatomy and physiology for its significance and relevance to quality nursing care.
2. Demonstrate a better understanding in microbiology & Pathology for providing proper nursing care.
3. Develop knowledge in study skills for nursing professionals.
4. Plan, implement and evaluate the provision of nursing care for different group of patients across the wide range of acute and chronic medical and surgical conditions.
5. Plan, implement and evaluate the provision of community-based nursing care and services appropriate for community people in a wide range.
6. Demonstrate a good understanding in nutrition, nutritional assessment and biochemistry and be able to maintain the nutritional status for all age groups.
7. Demonstrate a good understanding of epidemiology in relation to health and illness.
8. Demonstrate a depth understanding of reproductive health for providing care and services to the people of different age groups in any settings.
9. Demonstrate a good understanding on mental health and psychiatric nursing.
10. Demonstrate a better understanding in behavioral science and develop appropriate skills for dealings client centered care.
11. Develop ability in planning, implementing and evaluating nursing education and curriculum development.
12. Demonstrate a better understanding in health education and communication skills.
13. Demonstrate a better understanding in nursing administration and management.
14. Develop a good understanding in nursing research.

## **Eligibility criteria for Admission:**

**Applicants who meet the following criteria will be eligible to enter into the course;**

1. Must be registered by Bangladesh Nursing and Midwifery Council.
2. The applicants must have passed either Diploma in nursing and Diploma in Midwifery /Orthopedic Nursing/Psychiatric nursing or Diploma in Nursing Science & Midwifery.
3. The applicants (Government) must have minimum 2 years working experiences as Registered nurse /Registered nurse midwife.
4. Nursing Registration of the applicant must have updated by Bangladesh Nursing and Midwifery Council.
5. The applicant must have passed the admission test both Public and Private.
6. Successful candidates must perform medical fitness checkup before admission.
7. All candidates must submit application through proper channel.

## **Registration**

After admission every student must do registration as per Bangladesh Nursing and Midwifery Council Act (Act No. 48 of 2016) Clause-5 (TA) and concerned university's rules & regulations. The validity of the student registration will be of 5 Years.

## **Medium of Instruction**

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

## **Teaching System:**

Individual College may have own preference for conducting the teaching session. Theoretical and practical session may be arranged either in class room or practical placement.

## **Method of Teaching:**

Teaching strategies and learning experiences used throughout the program are appropriate for Bachelor of Science in Post Basic Nursing and Bachelor of Science in Post Basic Public Health Nursing students through interactive teaching-learning methods. Teaching strategies are carefully selected to facilitate active learning and based on critical thinking, such as brain storming, lecture, demonstration, group discussion, role play, peer group assessment, assignment, case study, simulation, clinical teaching, field trips etc.

*There should be a provision for students counseling and tutorial classes to resolve the academic and personal problems related to study.*

**Teaching Aids:**

There will be various teaching Aids used for teaching in relevant to topics/contents and situation based like-computer, multimedia, dummy, skeleton, organs/models, poster, chart, media, audio aids, scenario-based video, various labs etc.

**Students' practical placement:**

Rotation plan for clinical and field practice of the students will be initially planned by the concerned teachers which will be finalized through a discussion with administrative authorities between college, hospital and other facilities those are selected for clinical practice/visits.

**Evaluation System:**

1. Regular final examination will be held at the end of each academic year under the concerned university.
2. Year final examinations will be held twice in each year in **June** and **December** under the concerned university; each examination shall be considered as regular/Supplementary.
3. There will be year (1<sup>st</sup> year, 2<sup>nd</sup> year) final examinations at the end of each year.
4. Result of final examination will be published within 03 (three) months after completion of the examination.
5. Year final examination will be taken at the end of each academic year and re-sit/ Supplementary examination must be held after 45 days of result publication.
6. Internal examination will be conducted internally for the area of background science & the marks will be preserved by the individual college and will be added in year final mark sheet.
7. If a student fails in the internal examination, she/he will not allow attending in regular year final examination.
8. Internal examination marks of Anatomy & Physiology will be approved by Internal and external examiner of Comprehensive Nursing and Pathophysiology subject for B. Sc.in post basic Nursing and Community Health Nursing subject for B. Sc.in post basic public health nursing.
9. Internal examination marks of Microbiology & Pathology will be approved by Internal and external examiner of Epidemiology subject.

10. If a student fails in the regular internal examination, she/he will get one chance for re-sit examination.
11. If the student fails in internal re-sit examination, then she/he will be dropped out from the course.
12. Internal and External Examiner for internal examination will be appointed by Principal of concerned college and it should be informed to controller of concerned University.
13. Name of internal and external examiner for final (University) examination will be proposed by principal of individual college and selected by the examination control committee of concerned university.
14. A student must pass the background science subjects then she/he will get opportunity to sit in the regular final exam.
15. A student must appear in each year final examination & must achieve a pass grade.
16. Assessment area includes course work, practicum (clinical practice, case study, Curriculum development Project, proposal defense, food fair, micro teaching, research presentation, Health Education Session, Field visit, Evidence based practice), written (Summative and Formative: Class attendance and Class test), oral and practical of that specific subject.
17. A candidate will not be allowed to any university examination unless she/he has:
  - i. Fulfill to the conditions as laid down in the ordinance of the Bachelor of Science in Post Basic Nursing and Bachelor of Science in Post Basic Public Health Nursing Program.
  - ii. A student must pass the background science subjects then she/he will get opportunity to sit in the regular final exam.
  - iii. Certification from a principal of individual Nursing College as follow:
    - a. Good conduct
    - b. Having fulfilled the conditions for attendance.
    - c. Satisfactorily completion of all appropriate college examinations, Course work and practicum (clinical practices, Case study, Field visit, Food fair, Research proposal defense, Micro-teaching, Curriculum Development Project, Health Education Program).
    - d. Paid the examination fees to the Controller of Examinations.
18. **Pass Marks:** 60% marks must be obtained in each individual areas of formative and summative assessment in each subject. If a student cannot secure pass mark in any assessment compartment of a subject there shall be scope to make up the pass mark (2 marks for each failed subject) from other assessment compartments of that specified subject. It is only

applicable for that student who will fail in written examination. This opportunity will be applicable for each fail subject.

19. Student who fails (obtains less than 60% marks) in any part of the subject; she/he will appear in the next examination of that failed subject.
20. If the student fails in any subject at the regular final examination; she/he will get chance for supplementary/ re-sit examination within the successive year, if she/he fails in second time re-sit examination then she/he will loss of successive year.
21. If a student fails in the year final examination, she/he will get maximum three chances of re-sit for passing the examination of that year. If a student fails in first year final examination, she/ he may attend in 2nd year class but will not be allowed to appear in the 2nd year final examination until she/he passes all subjects of first year.
22. If a student fails after appearing three times for completing first year exam; she/he will be dropped out from the program.
23. Examination committee will be formed before final examination of each year.
24. All examination will be governed by the rules of concerned university.
25. The marks distribution system and total marks for written, oral and/or practical is shown against each subject separately.

#### **Method 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 all professional courses.

##### **1. Formative Assessment: -**

- a) **In the theoretical part:** Formative assessment will be done throughout the program which includes a combination of class attendance, course work assignment and internal examination (internal examination will be conducted according to institutional convenient time).
- b) **Practicum part:** Formative assessment includes:
  - i. Regular attendance in clinical settings and field visit.
  - ii. Evaluation of clinical field performance will be done through observation, cheek-list, preparation of nursing care plan, case presentation, report writing, food fair, health education session, micro teaching. If a student fails the clinical

practice requirements of the course for any reason; she/he has to makeup her/his clinical practices in extra time.

**iii. Project development:** The students must develop project on the subject of Nursing Education Curriculum Development and Nursing Research in a small group (The group should consist of 6-8 students)

## **2. Summative assessment:**

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

### **Distribution of marks:**

- Year wise Assessment Procedure is specified because of variation of subject weight & marks.
- Total marks in each year of B.Sc. in Nursing/Public health Nursing are as follows:

First year	= 1500
Second year	= 1200
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Total	= 2700

### **a) Written examination:**

1. Marks of written examination in case of 100 marks will be as follows:
  - Short Answer Question (SAQ) value is 05 marks
  - Essay Answer Question (EAQ) value is 10 marks
  - The value of Objective Question (correct answer and best answer) is 01 mark for each question.
2. The year final examination will be taken at the end of each academic year and re-examinee will appear in the next exam.
3. The examination system and total marks for written, course work, oral and practical compartments are given subject wise.
4. **Objective Type Questions:**

1. **Number of items:** 20 for each course except study skills
2. **Time allocation:** 1 minute for each question.
3. **Objective type questions** will cover 50% best answer and 50% correct answer
4. **Marks allocation:** Each question will carry 1 mark
5. **Objective type questions** examination will be taken at the beginning of the written examination.

**b) Duration of Examination Hours:**

Examination hours for written paper will be 3hours for 90 marks.

**Curriculum Design:**

There are 13 (thirteen) courses within two years. The courses are categorized under 05(Five) areas;

1. Background Science
2. Advanced Clinical Care
3. Education and Training.
4. Administration & Management and
5. Research

There are a total of thirteen (13) subjects in major five (05) areas. Background Science subjects are entitled as internal subjects. These are Anatomy & physiology, Microbiology & pathology. These two subjects will be evaluated internally. The remaining 10 (ten) subjects will be assessed as the part of the university assessment process. These subjects are compulsory for both Bachelor of Science in Post Basic Nursing and Bachelor of Science in Post Basic Public Health Nursing except Comprehensive Nursing & Pathophysiology and Community Health Nursing. Bachelor of Science in Post Basic Nursing and Bachelor of Science in Post Basic Public Health Nursing course are differentiated through comprehensive Nursing &Pathophysiology and Community Health Nursing. But both subjects will be studied by both groups of students according to prescribed hours.

***Core subject: Comprehensive Nursing & pathophysiology for Bachelor of Science in Post basic Nursing and Community Health Nursing for Bachelor of Science in Post basic Public Health Nursing.***

## **Curriculum Structure for B.Sc. in Post Basic Nursing**

The overall course structure is designed for 44 weeks out of 52 weeks in a year, covering theoretical and practical sessions including revision and year final examination. Remaining 8 weeks is kept for government holidays and leaves.

### **Number of Courses**

<b>Sl. No.</b>	<b>Year Wise Subject Distribution for B. Sc.in Post Basic Nursing</b>	<b>1<sup>st</sup> year</b>	<b>2<sup>nd</sup> year</b>
<b>Back Ground Science</b>			
1.	Anatomy and Physiology	✓	
2.	Microbiology and Pathology	✓	
<b>Advanced Clinical Care</b>			
1.	Comprehensive Nursing and Pathophysiology	✓	✓
2	Nutrition, Nutritional Assessment and Biochemistry	✓	
3.	Epidemiology	✓	
4.	Reproductive Health		✓
5.	Mental Health and Psychiatric Nursing		✓
<b>Education &amp;Training</b>			
6.	Behavioural Science	✓	
7.	Nursing Education and Curriculum Development	✓	✓
8.	Health Education and Communication Skills		✓
<b>Administration &amp; Management</b>			
9.	Nursing Administration and Management	✓	✓
<b>Research</b>			
10.	Nursing Research	✓	✓
11	Study Skills	✓	
<b>Number of Subjects</b>		<b>10</b>	<b>07</b>

## **Curriculum Structure for B.Sc. in Post Basic Public Health Nursing**

The overall course structure is designed for 44 weeks out of 52 weeks in a year, covering theoretical and practical sessions including revision and year final examination. Remaining 8 weeks is kept for government holidays and leaves.

### **Number of Courses**

<b>SL.No.</b>	<b>Year Wise Subject Distribution for B. Sc.in Post Basic Public Health Nursing</b>	<b>1<sup>st</sup> year</b>	<b>2<sup>nd</sup> year</b>
<b>Back Ground Science</b>			
1.	Anatomy and Physiology	√	
2.	Microbiology and Pathology	√	
<b>Advanced Clinical Care</b>			
1.	Community Health Nursing	√	√
2	Nutrition, Nutritional Assessment and Biochemistry	√	
3.	Epidemiology	√	
4.	Reproductive Health		√
5.	Mental Health and Psychiatric Nursing		√
<b>Education &amp;Training</b>			
6.	Behavioural Science	√	
7.	Nursing Education and Curriculum Development	√	√
8.	Health Education and Communication Skills		√
<b>Administration &amp; Management</b>			
9.	Nursing Administration and Management	√	√
<b>Research</b>			
10.	Nursing Research	√	√
11	Study Skills	√	

<b>Number of Subjects</b>	<b>10</b>	<b>07</b>
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**Allocated hours & marks for B.Sc. in Post Basic Nursing (1<sup>st</sup> year)**

Sl . N o	Subjects	Theory	Lab hour	Practice hour	Total hours	Formative Marks		Summative Marks			Total	
						Course Work	Practicum	Written	Oral	Practical		
<b>Back Ground Science</b>												
1	Anatomy and Physiology	60	48	-	108	-	-	100	30	20	150	
2	Microbiology and Pathology	36	28	-	64	-	-	100	30	20	150	
<b>Advanced Clinical Care</b>												
3	Comprehensive Nursing and Pathophysiology	116		28 8	438	20	100	-	100	30	-	250
	Community Health Nursing	34										
4	Nutrition, Nutritional Assessment and Biochemistry	60	32	48	140	20	20	30	100	30	-	200
5	Epidemiology	60		-	60	20	-	-	100	30	-	150
<b>Education &amp; Training</b>												
6	Behavioural Science	80		-	80	20	-	-	100	30	-	150
7	Nursing Education and Curriculum Development	110		96	206		20		100	30	-	150
<b>Administration &amp; Management</b>												
8	Nursing Administration and Management	80		96	176		20		100	30	-	150
<b>Research</b>												
9	Nursing Research	60		48	108			50	100	-	-	150
10	Study Skills	60			60	-	-	-	-	-	-	-
<b>Total =</b>		756	108	57 6	1440	80	160	80	900	240	40	1500

## **Allocated hours & marks for B.Sc. in Post Basic Public Health Nursing (1<sup>st</sup> year)**

Sl . N o	Subjects	Theory	Lab hour	Practice hour	Total hours	Formative Marks		Summative Marks			Total	
						Course Work	Practicum	Practical	Project	Written		
	<b>Back Ground Science</b>											
1	Anatomy and Physiology	60	48	-	108	-	-	-	100	30	20	150
2	Microbiology and Pathology	36	28	-	64	-	-	-	100	30	20	150
	<b>Advanced Clinical Care</b>											
3	Community Health Nursing	116		288	438	20	100	-	100	30	-	250
	Comprehensive Nursing and Pathophysiology	34										
4	Nutrition, Nutritional Assessment and Biochemistry	60	32	48	140	20	20	30	100	30	-	200
5	Epidemiology	60		-	60	20	-	-	100	30	-	150
	<b>Education &amp; Training</b>											
6	Behavioural Science	80		-	80	20	-	-	100	30	-	150
7	Nursing Education and Curriculum Development	110		96	206		20		100	30	-	150
	<b>Administration &amp; Management</b>											
8	Nursing Administration and Management	80		96	176		20		100	30	-	150
	<b>Research</b>											
9	Nursing Research	60		48	108		50	100	-	-	150	
10	Study Skills	60			60	-	-	-	-	-	-	-
	<b>Total =</b>	756	108	576	1440	80	160	80	900	240	40	1500

**Allocated hours & marks for B.Sc. in Post Basic Nursing (2<sup>nd</sup> year)**

Sl. No	Subjects	Theory	Practice	Total hours	Formative Marks			Summative Marks		Total	
					Course work	Practicum	Practical	Project	Written		
1.	Comprehensive Nursing and Pathophysiology	110	192	302	20	50	-		100	30	200
2.	Reproductive Health	90	96	186	-	20	-		100	30	150
3.	Mental Health and Psychiatric Nursing	80	48	128	-	20	-		100	30	150
4.	Nursing Education and Curriculum Development	90	336	426	-	30	40		100	30	200
5.	Health Education and Communication Skills	82	48	130	20	50	-		100	30	200
6.	Nursing Administration and Management	80	48	128	-	20	-		100	30	150
7.	Nursing Research	80	192	272	20	-	100	-	30		150
	<b>Total =</b>	<b>612</b>	<b>960</b>	<b>1572</b>	<b>60</b>	<b>190</b>	<b>140</b>	<b>600</b>	<b>210</b>	<b>1200</b>	

**Allocated hours & marks for B.Sc. in Post Basic Public Health Nursing (2nd year)**

Sl. No	Subjects	Theory	Practice	Total hours	Formative Marks			Summative Marks		Total
					Course work	Practical	Practicum	Written	Oral	
1.	Community Health Nursing	110	192	302	20	50	-	100	30	200
2.	Reproductive Health	90	96	186	-	20	-	100	30	150
3.	Mental Health and Psychiatric Nursing	80	48	128	-	20	-	100	30	150
4.	Nursing Education and Curriculum Development	90	336	426	-	30	40	100	30	200
5.	Health Education and Communication Skills	82	48	130	20	50		100	30	200
6.	Nursing Administration and Management	80	48	128	-	20	-	100	30	150
7.	Nursing Research	80	192	272	20	-	100	-	30	150
	<b>Total =</b>	<b>612</b>	<b>960</b>	<b>1572</b>	<b>60</b>	<b>190</b>	<b>140</b>	<b>600</b>	<b>210</b>	<b>1200</b>

<b>Master Plan of 1<sup>st</sup> year</b>																				
Weeks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	T	T	T	T	T	T	T	T	T	T	T	T	Lab	Lab	Lab	T	T	T	T	T
Weeks	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Field Visit	P	P	P	P	P	P	P	P	P	P	P	P	T	T	T	RC	SL	EX	EX

<b>Master Plan of 2<sup>nd</sup> Year</b>																					
Weeks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
	T	T	T	T	T	T	T	T	T	T	T	T	P	P	P	P	P	P	P	P	T
Weeks	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
	Field Visit	P	P	P	P	P	P	P	P	P	P	P	P	T	T	T	T	RC	SL	EX	EX

T= Theoretical

P= Practical

In-ex= Internal examination

Fv = Field Visit

RC =Revision Class

SL=Study leave

Ex=Examination

## **Anatomy and Physiology**

**Theory:** **60 hrs**

**Lab:** **48 hrs**

**Practical:** **0**

### **Course Description:**

The subject is designed for strengthening the level of students' knowledge about Anatomy & Physiology, organization of human body cell, tissues, organs level, musculoskeletal system, nervous system, sensory organs, respiratory system, cardio-vascular system, digestive system, urinary system, reproductive system, endocrine & metabolic system, lymphatic system & immunity and integumentary system.

### **Course objectives:** -

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

1. Describe the structure and function of human body cell level, tissues, and organ level,
2. Explain the structure and function of musculoskeletal system, nervous system, sensory organs, respiratory system,
3. Demonstrate a good understanding about the structure and function of cardio-vascular system, digestive system, urinary system, reproductive system,
4. Explain the structure and function of endocrine & metabolic system, lymphatic system, immunity and integumentary system.

### **Teaching Learning Methods:**

- Lecture
- Discussion
- Demonstration
- Lab practice

**Study materials:** Skeleton, bones, organs, Models, charts, posters, reference books

### **Suggestive Assessment Procedures**

#### **1. Formative Assessment**

Class attendance	= 02 ( <b>≥ 80</b> )
Class test	= 08
	<hr/>
	= 10

#### **2. Summative Assessment**

<b>a) Written:</b>	= 90
i. Essay Type Questions:	= 40
ii. Short Answer Questions:	= 30
iii. Objective Type Question:	= 20

	• Correct answer	
	• Best answer	
<b>b) SOE (Oral)</b>		= 30
<b>c) Practical examination</b>		= 20

## **Microbiology and Pathology**

<b>Theory:</b>	<b>36 hrs</b>
<b>Lab:</b>	<b>28 hrs</b>
<b>Practical:</b>	<b>0</b>

### **Course Description:**

This course is designed to provide a better understanding to the students about the fundamental principles of microbiology and pathology with emphasis on the general characteristics and general properties of microorganisms, bacteria, fungi, viruses and protozoa. Practicum will cover media preparation & control of microbial growth, microbial genetic, metabolisms, drug resistance and the effects of microorganisms on the health and well-being.

### **Course Objectives:**

Upon the completion of this course the student will be able to:

1. Demonstrate a good understanding about fundamental principles of microbiology.
2. Describe general characteristics of microbes and laboratory methods for identification of micro-organisms.
3. Understand the effects of microorganisms on the health and well-being.
4. Perform practicum for media preparation for isolation & control of microbial growth, microbial genetic, metabolisms, drug resistance on health and wellbeing.

### **Teaching Learning Methods:**

- Brain storming
- Lecture
- Discussion
- Demonstration
- Lab practice

### **Suggestive Assessment Procedures**

#### **1. Formative Assessment**

Class attended	= 02 ( $\geq 80$ )
Class test	= 08

-----  
10

#### **2. Summative Assessment**

<b>a) Written:</b>	= 90
i. Essay Type Questions:	= 40
ii. Short Answer Questions:	= 30
iii. Objective Type Question:	= 20

- Correct answer

	• Best answer
<b>b) SOE (Oral)</b>	= 30
<b>c) Practical examination</b>	= 20

## **Comprehensive Nursing and Pathophysiology**

**Theory:** **260 hrs**

**Lab:** **0**

**Practical:** **480 hrs**

**Course description:**

This course is designed to provide comprehensive knowledge to the students about basic human needs, nursing process, nursing care plan, fluid & electrolyte balance and imbalance, acid base balance & imbalance, nature of disease and pathogenesis, drugs and drug administration, alteration of digestive, neurological, respiratory, cardio-vascular, function of skin and venereal disease, common eye problem, endocrine diseases, oncological disease, nephrology and urological diseases, cardio-pulmonary disorders, emergency management and concepts related to aging peoples.

Unit 1-6 of course syllabus will be studied by both departments (Nursing and Public Health Nursing) together.

**Course Objectives:**

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

1. Demonstrate knowledge and skills about basic human needs, nursing process and nursing care plan
2. Identify fluid & electrolyte balance and acid base balance
3. Describe about drugs, drug administration, side effects, and drug calculations,
4. Understand acute and chronic medical surgical illness with their nursing care procedures
5. Understand pathophysiology of acute and chronic diseases
6. Describe metabolic, endocrine disorders and digestive disorders
7. Explain the cardiovascular and respiratory disease
8. Describe urinary and cancer disease
9. Demonstrate knowledge and skills about emergency drugs therapy, trauma and accident and critical care
10. Acquire knowledge about concepts related to aging peoples.

**Teaching-learning Methods:**

- Brain storming
- Lecture
- Discussion

- Demonstration
- Clinical teaching
- Role play
- Case study

### Suggested Assessment Procedures

#### 1<sup>st</sup> year

##### **1. Formative Assessment**

###### *a) Assignment*

Course work

= 20

###### *c) Clinical Practice & Case Presentation:*

- i. Practicum
- ii. Case presentation

= 100  
= 50  
= 50

###### **Class attendance**

Class test

= 02 ( $\geq 80$ )  
= 08  
-----  
= 10

##### **2. Summative Assessment**

###### *a) Written:*

- i. Essay Type Questions:
- ii. Short Answer Questions:
- iii. Objective Type Question:
  - Correct answer
  - Best answer

= 90  
= 40  
= 30  
= 20

###### **b) SOE (Oral):**

= 30

#### 2<sup>nd</sup> year

##### **1. Formative Assessment**

###### *a) Assignment*

Course work

= 20

###### *b) Clinical Practice & Case Presentation:*

- i. Practicum
- ii. Case presentation

= 50  
= 25  
= 25

###### **Class attendance**

Class test

= 02 ( $\geq 80$ )  
= 08  
-----

= 10

##### **2. Summative Assessment**

###### *a) Written:*

- i. Essay Type Questions: = 40
- ii. Short Answer Questions: = 30
- iii. Objective Type Question:
  - Correct answer = 20

- Best answer

b) SOE (Oral): = 30

## Community Health Nursing

**Theory:** 260 hrs  
**Lab:** 0  
**Practical:** 480 hrs

### Course Description:

The course is essential for public health nurses for providing in depth understanding about changing concepts of community health nursing in the community; understanding in public health nursing, responsibility of nurses in early case finding, health assessment and health education based on principles of primary health care, the health care delivery system of Bangladesh & universal health coverage, nursing process, approach and care to the individual, family and community, home visiting, school health, dental health environmental and occupational health assessment strategies, diagnostic procedures, and pharmacological principles, health determinants, emergency & disaster management, acute and chronic medical surgical illness, metabolic and endocrine disorders, digestive disorders, cardiovascular disease, respiratory disease, urinary disease, allergic conditions, care of cancer patient, emergency drugs therapy, trauma and accident, critical care and palliative care for peaceful death; and rehabilitative care of an individuals and their families in any setting.

Unit 1 – 6 of course syllabus will be studied by both departments (Nursing and Public Health Nursing) together.

### Course Objectives:

Upon completion of the subject the student will be able to:

1. Define the changing concepts of community health nursing,
2. Explain the principles of primary health care and nurses' roles in primary health care team,
3. Explain health care delivery system of Bangladesh and Universal health coverage, Linkage between community health nursing and primary health care,

4. Understand and utilize community approaches to identify the basic health needs of the patients and prioritize those needs to carry out nursing care for acute and chronic health related problems,
5. Discuss the preventive, curative, promotive and rehabilitative care at hospital, clinic and community by using nursing process,
6. Plan, implement and evaluate specific community health program such as home visiting, school health, dental health, family health, occupational & environmental health and care for long term illness,
7. Understand the health care delivery system of Bangladesh,
8. Define the concept of disaster and its management, impact and response and nurse role during emergency and disaster,
9. Describe metabolic, endocrine disorders and digestive disorders,
10. Explain the cardiovascular and respiratory disease,
11. Describe urinary and cancer disease,
12. Demonstrate knowledge and skills about emergency drugs therapy, trauma and accident and critical care.

#### **Teaching Learning Methods:**

- Brain storming
- Lecture
- Discussion
- Field Trip/Visit
- Role play
- Case study

**Suggested Assessment Procedures**  
**1<sup>st</sup> year**

**1. Formative Assessment**

**a) Assignment**

Course work

= 20

**b) Clinical Practice & Case Presentation:**

- i. Practicum
- ii. Case presentation

= 100

= 50

= 50

**Class attendance**

Class test

= 02 ( $\geq 80$ )

= 08

= 10

**2. Summative Assessment**

**a) Written:**

- i. Essay Type Questions: = 40
- ii. Short Answer Questions = 30
- iii. Objective Type Question:
  - Correct answer = 20
  - Best answer

= 90

**b) SOE (Oral):**

= 30

**2<sup>nd</sup> year**

**1. Formative Assessment**

**a) Assignment**

Course work

= 20

**b) Clinical Practice & Case Presentation:**

- i. Practicum = 25
- ii. Case presentation = 25

= 50

= 25

= 25

**Class attendance**

Class test

= 02 ( $\geq 80$ )

= 08

= 10

**2. Summative Assessment**

**a) Written:**

= 90

i. Essay Type Questions:	= 40
ii. Short Answer Questions	= 30
iii. Objective Type Question:	= 20
• Correct answer	
• Best answer	
<b>b) SOE (Oral):</b>	= 30

## **Nutrition, Nutritional Assessment and Biochemistry**

**Theory:** **60 hrs**

**Lab:** **32 hrs**

**Practical:** **48 hrs**

**Course Description:**

The course is designed for the improvement of nurses' level of understanding about Nutrition, Nutritional Assessment and Biochemistry, food, nutritional standards, balance diet, major nutritional problems, human needs of nutrients across the life span, breast feeding, weaning food, menu planning, nutritional assessment, growth & development, therapeutic diet, special diet in certain medical conditions, food preservation, contamination of food, legal and ethical issues in selecting food

**Course Objectives:**

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

1. Demonstrate knowledge in Nutrition, Nutritional Assessment and Biochemistry, food, nutrients, Nutritional standards, balance diet and menu planning therapeutic diet, breast feeding & weaning food.
2. Identify major nutritional problems, human needs of nutrients across the life span
3. Demonstrate knowledge and skills on breast feeding, weaning food, and growth & development,
4. Develop ability in nutritional assessment, therapeutic diet, special diet in certain medical conditions
5. Acquire knowledge about food preservation and prevention of contamination of food
6. Maintain Legal and ethical issues for professional standard.

**Teaching Learning Methods:**

1. Brain storming
2. Lecture
3. Discussion

4. Role play
5. Demonstration
6. Simulation exercise
7. Case study
8. Field trip

## **Suggestive Assessment Procedures**

### **1. Formative Assessment**

#### ***a) Assignment***

- i. Course work = 20
- ii. Food Fair = 30

#### ***b) Clinical Practice***

Class attendance  
Class test

= 02 ( $\geq 80$ )  
= 08  
-----  
= 10  
= 90

### **2. Summative Assessment**

#### **a) Written:**

- i. Essay Type Questions: = 40
- ii. Short Answer Questions: = 30
- iii. Objective Type Question:
  - Correct answer
  - Best answer

#### **b) SOE (Oral):** = 30

## **Epidemiology**

**Theory:** 60 hrs  
**Lab:** 0  
**Practical:** 0

### **Course Description:**

This course has been included for better understanding about epidemiology, epidemiological measurement tools, epidemiological triads, epidemiological study methods, concept of health & disease, social determinants of health, surveillance, screening, and role of nurses in communicable & non-communicable diseases and its control & prevention

### **Course Objectives:**

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

1. Understand about epidemiology, epidemiological measurement tools, epidemiological triads, epidemiological study methods,
2. Discuss concept of health & disease, social determinants of health, surveillance and screening,
3. Explain communicable & non-communicable diseases and its control & prevention,
4. Describe the role of nurses in prevention and control of communicable & non-communicable diseases.

### **Teaching Learning Methods:**

- Brain storming
- Lecture
- Discussion
- Role play
- Demonstration
- Simulation exercise
- Case study
- Field visit

### **Suggestive Assessment Procedures**

#### **1. Formative Assessment**

##### **a) Assignment**

Course work	= 20
<b>Class attendance</b>	= 02 ( $\geq 80$ )
Class test	= 08
<hr/>	
	= 10

## 2. Summative Assessment

<b>a) Written:</b>	
i.    Essay Type Questions:	= 90
ii.    Short Answer Questions:	= 40
iii.    Objective Type Question:	= 30
•    Correct answer	= 20
•    Best answer	
<b>b) SOE (Oral):</b>	= 30

## Behavioral Science

<b>Theory:</b>	<b>80 hrs</b>
<b>Lab:</b>	<b>0</b>
<b>Practical:</b>	<b>0</b>

### Course description:

This course has been organized to raise the competencies of students about behavioral science, social structure and its relationship in the society, religions, social movements, culture, health beliefs and practices, folk and traditional healers, social and behavior change, communication, concept of Psychology, psychological theories, motivation, Erikson's psychosocial stages of development, personality, sexuality and sexual orientation and life crisis.

### Course objectives:

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

1. Understand behavioral science, social structure and its relationship in the society, religions, social movements, culture, health beliefs and practices
2. Understand about folk and traditional healers, social and behavior change in communication
3. Explain the concept of Psychology, psychological theories, motivation, Erikson's psychosocial stages of development
4. Describe about the personality, sexuality and sexual orientation and life crisis.

### Teaching Learning Methods:

- Brain storming
- Lecture
- Discussion
- Field visit

## Suggestive Assessment Procedures

### 1. Formative Assessment

#### *a) Assignment*

Course work	= 20
<b>Class attendance</b>	= 02 ( $\geq 80$ )
Class test	= 08

		=10
<b>2. Summative Assessment</b>		
a) <b>Written:</b>		= 90
i.    Essay Type Questions:		= 40
ii.    Short Answer Questions:		= 30
iii.    Objective Type Question:		= 20
•    Correct answer		
•    Best answer		
b) <b>SOE (Oral):</b>		= 30

## **Nursing Education and Curriculum Development**

<b>Theory:</b>	<b>200 hrs</b>
<b>Lab:</b>	<b>0</b>
<b>Practical:</b>	<b>432 hrs</b>

### **Course Description**

This course has been organized to develop the competencies of students about concept and history of nursing education, current trends in nursing education, different terminologies, learning, teacher and teaching, teaching methods, teaching aids, assessment and evaluation, nature and purposes of curriculum and curriculum development, philosophy of nursing education, educational objective, curriculum development process, task analysis, learning experience, nursing education and clinical placement audit.

### **Course Objectives:**

Upon completion of the prescribed contents students will be able to:

1. Understand the concept of nursing education, learning and different terminologies
2. Define teacher and teaching, teaching methods, teaching aids
3. Explain the concept of assessment and evaluation and their different types
4. Explain the nature and purposes of curriculum and curriculum documents
5. Describe the importance of philosophy in nursing education and educational objectives
6. Demonstrate a good understanding about the process of curriculum development, task analysis, learning experience
7. Describe the significance of nursing education and clinical placement audit.

### **Teaching Learning Methods**

- Brain storming

- Lecture
- Discussion
- Role play
- Simulation
- Peer group assessment
- Field visit

### **Suggestive Assessment Procedures:**

#### **1<sup>st</sup> year**

##### **1. Formative Assessment**

###### **a) Teaching practice (institution based)**

**Class attendance**  
Class test

= 20  
= 02 ( $\geq 80$ )  
= 08  
-----  
= 10

##### **2. Summative Assessment**

###### **a) Written:**

- i. Essay Type Questions: = 90
- ii. Short Answer Question: = 40
- iii. Objective Type Question:
  - Correct answer = 30
  - Best answer = 20

###### **b) SOE (Oral):** = 30

### **Suggestive Assessment Procedures:**

#### **2<sup>nd</sup> Year**

##### **1. Formative Assessment**

###### **a) Teaching practice** **b) Project (curriculum booklet)**

= 30  
= 40

**Class attendance**  
Class test

= 02 ( $\geq 80$ )  
= 08  
-----  
= 10

##### **2. Summative Assessment**

<b>a) Written:</b>	= 90
i. Essay Type Questions:	= 40
ii. Short Answer Question	= 30
iii. Objective Types Question:	= 20
• Correct answer	
• Best answer	
<b>b) SOE (Oral):</b>	= 30

## **Nursing Administration and Management**

<b>Theory:</b>	<b>160 hrs</b>
<b>Lab:</b>	<b>0</b>
<b>Practical:</b>	<b>144 hrs</b>

### **Course Description:**

This course is designed to develop students' capacity about Nursing Administration and Management, planning, decision making, organizing, staffing, directing and leading, leader and leadership, communication and interpersonal relationship, controlling, nursing audits, inventory management, record and reports, coordinating, supervision, budgeting, power and authority in nursing, delegation of authority, time management, educational administration in nursing, job description, procurement, organizational change, organizational conflicts, problem solving, staff development, quality control, concept of employees welfare and social security, Bangladesh Service Rules (BSRs), office Management, time value of money, legal and ethical aspect of nursing.

### **Course Objective:**

Upon completion of this unit the students will be able to –

1. Describe Nursing Administration and Management, planning, decision making, organizing, staffing, directing and leading, leader and leadership
2. Explain administrative communication and interpersonal relationship, controlling, organizational change, organizational conflicts, problem solving, staff development
3. Understand nursing audits, inventory management, record and reports, coordinating, supervision, budgeting
4. Describe power and authority in nursing, delegation of authority, time management, educational administration in nursing, job description

5. Describe procurement, quality control, concept of employee's welfare and social security, Bangladesh Service Rules (BSRs), legal and ethical aspect of nursing.
6. Explain about office Management & time value of money.

**Teaching-learning Methods:**

- Brain storming
- Lecture
- Discussion
- Field Visit
- Role play
- Simulation

**Suggestive Assessment Procedures**  
**1<sup>st</sup> year**

**1. Formative Assessment**

**a) Practice**

**Class attendance**  
Class test

= 20  
= 02 ( $\geq 80$ )  
= 08  
-----  
= 10

**2. Summative Assessment**

**a) Written:**

- i. Essay Type Questions: = 40
- ii. Short Answer Question: = 30
- iii. Objective Type Question:
  - Correct answer
  - Best answer

**b) SOE (Oral):** = 30

**Suggestive Assessment Procedures**  
**2<sup>nd</sup> year**

**1. Formative Assessment**

**a) Practice**

= 20

**Class attendance**  
Class test

= 02 ( $\geq 80$ )  
= 08  
-----  
= 10

**2. Summative Assessment**

**a) Written:**

= 90

i.	Essay Type Questions:	= 40
ii.	Short Answer Question:	= 30
iii.	Objective Type Question:	= 20
	• Correct answer	
	• Best answer	
<b>b) SOE (Oral):</b>		= 30

## **Nursing Research**

<b>Theory:</b>	<b>140 hrs</b>
<b>Lab:</b>	<b>0</b>
<b>Practical:</b>	<b>240 hrs</b>

### **Course Description:**

This course aims to prepare the students to understand Research, Nursing Research, literature review, formulation of research title/problem, research objective, research methodology, research proposal, development of research tools/ instruments, conducting project, evidence, evidence-based nursing (EBN), evidence-based practice (EBP), steps of evidence-based practice (EBP), psychometric property, biostatistics, critique of research articles, journal club, ethical issues related to EBN.

### **Course objectives:**

Upon completion of the prescribed contents students will be able to:

1. Demonstrate a better understanding in research, nursing research, literature review, formulate research title/problem, research objective, research methodology
2. Develop ability to prepare a research proposal, development of research tools/ instruments and conducting project,
3. Demonstrate a better understanding about evidence, evidence-based nursing (EBN), evidence-based practice (EBP),
4. Acquire knowledge in biostatistics, psychometric property
5. Demonstrate knowledge in biostatistics, psychometric property, critique research articles, journal club,
6. Appreciate ethical issues related to EBN.

### **Teaching – Learning Method:**

- Brain storming
- Lecture

- Discussion
- Demonstration

### **Suggestive Assessment Procedures:**

#### **1. Formative Assessment**

##### **a) Practice (Project Proposal Defense)**

**Class attendance**  
Class test

#### **1st Year**

= 50  
= 02 ( $\geq 80$ )  
= 08  
-----  
= 10

#### **2. Summative Assessment**

##### **a) Written:**

- i. Essay Type Questions: = 90
- ii. Short Answer Question: = 40
- iii. Objective Type Question:  
  - Correct answer = 30
  - Best answer = 20

#### **2<sup>nd</sup> Year**

#### **1. Formative Assessment**

- a) Course work** = 20
- b) Project Defiance** = 90

**Class attendance**  
Class test

= 02 ( $\geq 80$ )  
= 08  
-----  
= 10

#### **2. Summative Assessment**

## **Study Skill**

**Theory:** **60 hrs**  
**Lab:** **0**  
**Practical: 0**

### **Course Description:**

The course is designed for the development of nurses' level of knowledge and skills in English grammar increase vocabulary in the areas of reading, writing, speaking and listening.

### **Course Objectives:**

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

1. Develop ability to understand health related abstract, stories, books, journals or essays by scanning and skimming
2. Develop writing ability in English by practicing
3. Develop ability in fluent speaking in English
4. Develop listening skills in English by using aids.

### **Teaching Learning Methods:**

- 1. Lecture
- 2. Discussion
- 3. Conversation
- 4. Debating

### **Study materials:**

- Computer with internet facilities (Web based searching), multimedia, literature, research articles, newspaper, journal, magazine and reference books.

## Reproductive health

<b>Theory:</b>	<b>90 hrs</b>
<b>Lab:</b>	<b>0</b>
<b>Practical:</b>	<b>96 hrs</b>

### **Course Description:**

This course is designed to provide a comprehensive theoretical knowledge and clinical practice skills on Reproductive health, reproductive endocrinology and genetics, policies and programme on reproductive health, adolescents' health, fertility regulation, infertility, psychosomatic problems, human sexuality, safe motherhood, disorders of reproductive age, maternal and child health care, family planning procedures, practice skills on contraceptive methods, ethical and legal aspects.

### **Course Objective:**

Upon completion of the prescribed contents students will be able to-

1. Demonstrate the knowledge on Reproductive Health, reproductive endocrinology and genetics, policies and programme on reproductive health
2. Demonstrate a good understanding about comprehensive knowledge on adolescents' health, fertility regulation, infertility, psychosomatic problems, human sexuality and safe motherhood
3. Describe disorders of reproductive age, maternal and child health care, family planning procedures
4. Demonstrate practice skills on contraceptive methods and ethical and legal aspects.

### **Teaching Learning Methods:**

- Brain storming.
- Lecture
- Discussion
- Demonstration
- Clinical teaching
- Role play
- Simulation
- Case study

### **Suggestive Assessment Procedures**

#### **1. Formative Assessment**

a) Clinical Practice	= 20
Class attendance	= 02 ( $\geq 80$ )
Class test	= 08
	-----
	= 10
<b>2. Summative Assessment</b>	
a) Written:	
i. Essay Type Questions:	= 90
ii. Short Answer Question:	= 40
iii. Objective Type Question:	= 30
• Correct answer	= 20
• Best answer	
b) SOE (Oral):	= 30

## **Mental Health and Psychiatric Nursing**

<b>Theory:</b>	<b>80 hrs</b>
<b>Lab:</b>	<b>0</b>
<b>Practical:</b>	<b>48 hrs</b>

### **Course Description:**

This course aims to provide knowledge in Mental Health and Psychiatric Nursing, theoretical approaches of the principles of management of the mental health disorders and psychiatric nursing care, mental illness, psychosis, neurosis, personality disorder/ character logical disorder, childhood disorders/neurodevelopmental disorder, mental retardation and autism spectrum disorder. organic brain/mental disorder, crisis and aggression, psychiatric emergencies, therapeutic communication, therapeutic-nurse patient relationship, therapeutic psychiatry, substance abuse, antipsychotic drugs, in hospital and community context community mental health nursing, legal and ethical aspects of mental health nursing.

### **Course Objectives:**

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

1. Explain mental health and psychiatric nursing, community mental health nursing, theoretical approaches to psychiatric nursing care, mental illness, psychosis, neurosis, personality disorder/ character logical disorder,
2. Describe childhood disorders, neurodevelopmental disorder, organic brain/mental disorders, crisis and aggression, psychiatric emergencies,

3. Demonstrate knowledge on therapeutic communication, therapeutic psychiatry, substance abuse, antipsychotic drugs
4. Describe legal and ethical aspects of mental health nursing.

**Teaching-learning Methods:**

- Brain storming
- Lecture
- Discussion
- Role play
- Simulation
- Clinical teaching
- Field visit

**Suggestive Assessment Procedures**

**1. Formative Assessment**

**Clinical Practice**

= 20

**Class attendance**

= 02 ( $\geq 80$ )

Class test

= 08

-----  
= 10

**2. Summative Assessment**

**a) Written:**

= 90

i. Essay types questions:

= 40

ii. SAQ:

= 30

iii. Objective type question:

= 20

- Correct answer
- Best answer

**b) SOE (Oral):**

= 30

## **Health Education and Communication Skills**

**Theory:** **82 hrs**

**Lab:** **0**

**Practical:** **48 hrs**

### **Course description:**

This course is designed to develop knowledge and demonstrate skills of participants on health education and communication skills that would help them to be competent to provide opportunity to practice effectively to perform their responsibilities in their working areas. From this perspective the following indicative contents are included in the course: concept, principles objectives, purposes and approaches of health education, health education in specific setting: hospital, clinic, community. Communications theory, principles, types, elements, methods, characteristics, way of communication, barrier to effective communication; counseling techniques in health education, interview techniques, listening skills, non-judgmental approach, inter-sectoral & inter-agencies. The integrated knowledge will enable the participants to develop positive attitude for health promotion focusing on self-care of an individual, family and community, life style, health behavioral modification, organizing health education program, identifying appropriate Methods &Medias and demonstrate good communication skills on the aspects of social values &beliefs.

### **Course Objectives:**

#### **Upon completion of this subject students will be able to:**

1. Explain the concept and theories related to health education
2. Explain principles of health education, objectives, purposes and approaches of health education in specific setting

3. Explain communications theory, principles, types, elements, methods, characteristics, way of communication, barrier to effective communication;
4. Demonstrate counseling techniques in health education, interview techniques, listening skills, non-judgmental approach, intersectoral & inter-agencies.
5. Prepare students to organize health education programme in independently.
6. Maintain professional code of ethics in every steps

### **Teaching-learning Methods**

- Brain storming
- Lecture
- Discussion
- Role play
- Simulation

### **Suggestive Assessment Procedures**

#### **1. Formative Assessment**

##### **a) Assignment**

Course work	= 20
b) Practicum	= 50
<b>Class attendance</b>	= 02 ( $\geq 80$ )
Class test	= 08
	-----
	= 10

#### **2. Summative Assessment**

##### **a) Written:**

i. Essay types questions:	= 40
ii. Short Answer Question:	= 30
iii. Objective Type Question:	= 20
• Correct answer	
• Best answer	

<b>b) SOE (Oral):</b>	= 30
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## **Members of Working Group**

1. Mrs. Shuriya Begum, Register, BNMC, Dhaka.
2. Dr. Md. Mofiz Ullha, Principal, College of Nursing Mohakhali, Dhaka,
3. Ms. Saleha Khatun, Vice-Principal, Grameen Caledonian College of Nursing
4. Sanku Barua, Lecturer, Fouzderhat Nursing College, Chattogram.
5. Mrs. Rashida Akter, Deputy Register, BNMC, Dhaka.
6. Mrs. Sabita Mondal, Lecturer, Bogura Nursing College.
7. Mrs Shefali Sarker, Vice Principal, Kumudini Nursing School & College.