



**Tehran University of Medical Sciences**

**School of Nursing and Midwifery**

***Midwifery***

**(General specifications, plans and headlines)**

**Final revision and editing**

**2016**

## **Section I:**

**Title: Midwifery (BSc)**

**Degree: BSc**

### **Introduction**

Midwifery is the health science and the health profession that deals with pregnancy, childbirth, and the postpartum period. In Iran, the first midwifery institute was established in the Tehran Women Hospital in 1919. After 10 years in 1929, the first High Institute for Midwifery as one of the branches of School of Medicine was established, that offered 3 year midwifery program leading to degree equivalent qualification. Following the establishment of Tehran University in 1934 and its medical school in 1936, Women Hospital along with its midwifery institute merged with the Tehran University.

### **Definition**

Midwifery is a sub-branch of medical sciences. Its graduates as members of healthcare team are actively engaged in reproductive health, healthcare during pregnancy, during and after the birth, neonatal care, education, sexual and reproductive health consultancy, promotion of normal and safe delivery, diagnosis of abnormal status in mother, fetus or newborn, emergency interventions during pregnancy or delivery and on time referral of unusual cases. They also strive to provide and promote health of mothers, fetus, newborns and neonates.

### **The Aim of the Course**

**Mission:** The mission of this program is to train committed, competence and knowledgeable midwifery professionals who are able to deliver midwifery services at different levels of prevention to patients independently as members of healthcare team.

**Vision:** In 10 year time, the graduated of this program based on the program's philosophy and mission, will provide effective midwifery services to patients at the highest professional standard.

**Philosophy, values and beliefs:** Since the family is a fundamental component of the society and is the main center for human development, and since women and mothers have a central and decisive role in the family, thus, health and wellbeing of mothers and children and providing healthcare service for them is central in Iran's health planning programs.

In this educational program, taking into the account that, pregnancy and birth are physiological and normal events in life and the fact that, prevention is more important than cure, it is essential

to facilitate normal condition for reproductive events and any abnormality should be carefully identified and treated.

Access to appropriate midwifery services regardless of race, culture, religion, place of residency, political interests, and economic and social statuses, is the right of all families.

Graduates of this program have a duty to deliver high standard quality midwifery care to patients and use the results of researcher in accordance with national goals, ethical principles and justice within the area of their responsibilities.

**Aims:** The aims of this program include: Help to promote indexes related to women's reproductive health and families, Help to reduce problems of mother, fetus, neonate and child as well as mortality during pregnancy, Help to promote normal delivery.

### **General Competencies**

Communication skills, interviewing, educational, writing, reporting, critical thinking, problem solving, managerial ones as well as professionalism.

### **Specific Competencies and Skills (Special Qualifications)**

Graduates' roles include: caring, education, research, consultancy, management and rehabilitation.

### **The Terms and Conditions of Admission to the Course**

- Academic qualification
- Being mentally and physically healthy
- Recommendation letter
- English qualification

### **Educational Strategies, Methods and Techniques**

**Educational Strategies:** Task-based learning blended learning (teacher-centered and student-centered), blended learning (attendance and DLN), problem-based learning, professional competency-based learning, and evidence-based learning.

### **Methods and Techniques:**

lecture (question & answer, video clip), journal club, case presentation, discussions in small groups, seminars and conferences, site visits (for example, Nursing Office of the Tehran university of medical sciences, and Iranian nursing organization), and clinical and managerial practice in health care fields).

**Student Assessment**

Written assessment [multiple choice questions (MCQ), essay (restricted & extended answer)], oral assessment (unstructured and structured oral exams), interactive computer test, and practical assessment (projects, Portfolio, and Logbook, lab observations).

***Number and Type of Credits and Tables of the Courses (including compulsory and optional [elective] courses)***

<b>Code</b>	<b>Title of module</b>	<b>Number of credits</b>	<b>Types of the module</b>	<b>Prerequisite</b>
01	Histology and Cytology	2 (43hours)	Theory- Practice	-
02	Biochemistry	2 (43hours)	Theory- Practice	-
03	Anatomy 1	2 (43hours)	Theory- Practice	-
04	Anatomy 2	3 (60hours)	Theory- Practice	03
05	Physiology 1	3 (51hours)	Theory- Practice	01-02-03
06	Physiology 2	2(43hours)	Theory- Practice	04-05
07	Immunology	2(43 hour)	Theory- Practice	02
08	Theoretical Microbiology	2(34 hours)	Theory	-
09	Parasitology and Mycology	1 (17hours)	Theory	08
10	Practical Microbiology	1 (34hours)	Practice	08-09
11	General and Specific Pathology	1 (9hours)	Theory- Practice	01-07-08-09
12	Principles of public health services 1	2 (26hours)	Theory- Practice	-
13	General Pharmacology 1	2 (34hours)	Theory	02-05-06
14	General Pharmacology 2	1 (17hours)	Theory	05-06-13
15	Principles and techniques of nursing, midwifery and working in operating and delivery room	2 (51hours)	Theory- Practice	-
16	Principles and techniques of nursing, midwifery and working in operating and delivery room (Practicum)	1 (51hours)	Internship	15
17	Biological statistic	2 (43hours)	Theory- Practice	19
18	General, woman and family psychology	2 (102hours)	Theory	-
19	Principals of epidemiology and fighting diseases 2	2(34hours)	Theory	09-10-12-27
20	Specialized English Language	2(34hours)	Theory	General English
21	Principles of nutrition for mother and baby	2(34hours)	Theory	02-05-06

22	History, ethic, laws and rights in midwifery	1(17hours)	Theory	27-29-30-36-53
23	Rights and Forensic medicine in midwifery	1(17hours)	Theory-practice	Along with 22
24	Forensic medicine in midwifery (practicum)	1(51hours)	Internship	22-23
25	Embryology	2(34hours)	Theory	01-03-04
26	Genetic	2(34hours)	Theory	-
27	Pregnancy and birth 1-normal delivery	2(34hours)	Theory	Basic science lessons in table B
28	Normal pregnancy practicum	1(51hours)	Internship	27
29	Pregnancy and birth 2-normal, safe and physiological delivery, and methods of reducing Labor pain	2(34hours)	Theory	27-28
30	Normal delivery practicum	2(144hours)	Internship	29
31	Pregnancy and birth 3- abnormal pregnancy and birth	2(26hours)	Theory	27-29
32	Normal and abnormal delivery practicum	3(144hours)	Internship	31
33	Pregnancy and birth 4- medical and surgical diseases in pregnancy and birth	1(17hours)	Theory	17-19-31-40-41-42-43-44
34	Newborns	2(34hours)	Theory	25
35	Newborns' practicum	1(51hours)	Internship	34
36	Children's diseases	2(34hours)	Theory	34
37	Children's diseases practicum	1(51hours)	Internship	36
38	Typology and physical examination	1(17hours)	theory	03-04-05-06-07-08-09
39	Typology and physical examination practicum	1(51hours)	Internship	38
40	Physiopathology and medical diseases 1	3(51hours)	theory	38 and all basic science lessons
41	Physiopathology and medical diseases 2	2(34hours)	Theory	40

42	Physiopathology and medical diseases 3	2(34hours)	Theory	40-41
43	Physiopathology and surgical diseases	2(34hours)	Theory	40-41-42
44	Medical/surgical diseases practicum	1(51hours)	Internship	39-40-41-42- 43
45	Relationship between health education and counseling on mother and baby and reproductive health (3)	1(17hours)	Theory	12-18-21-27- 34-36
46	Mother, baby, and reproductive health (4)	2(34hours)	Theory	Health 3
47	Management and promotion of quality in mother, baby and reproductive health (5)	1(17hours)	Theory	Health 1&2
48	Mother, baby, and reproductive health, and family planning practicum	2(102house)	Internship	45-46-47
49	Principles of psychology in midwifery	1(17hours)	Theory	18
50	Sexual function disorders	1(17hours)	Theory	49
51	Radiology, sonology and electrology in midwifery and women	1(17hours)	Theory	27-29-31-53
52	Principles of management and its application in midwifery	2(34hours)	Theory	27-29
53	Women's diseases and infertility	3(51hours)	Theory	27-29-31- 38
54	Women's diseases practicum	2 (102hours)	Internship	53
55	Nutrition in mother and baby diseases	1(17hours)	Theory	21-33-53
56	Anesthesia and CPR in midwifery	1(26hours)	Theory-Practice	13-14-27-29- 34
57	Research's methodology and design	1(26hours)	Theory-Practice	31-46-47-53-
58	Medical information system (information technology in midwifery)	1(26hours)	Theory-Practice	-
59	Growth and development of infants	1(17hours)	Theory	34
60	Preparing for labor and physiological birth	2(43hours)	Theory-Practice	27-29-31
61	Implementation of project to solve professional problems or research in midwifery	1(34hours)	Practice	31-46-47-53

62	Health and midwifery's models and theories	1(17hours)	Theory	27-29-31
63	Sociology and women's social pathology	1(17hours)	Theory	18-27-29
64	Evidence-based midwifery	1(26hours)	Theory-Practice	17-19-58
65	Complementary and alternative therapies in midwifery	1(17hours)	Theory	27-29-31-33-53-54
66	Complementary and alternative therapies in midwifery practicum	1(51hours)	Internship	65
67	Traditional and herbal medicine in midwifery	1(17hours)	Theory	18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-3353-54
68	Reproductive biology	1(17hours)	Theory	05-06-25-27
69	Management of health economy	1(17hours)	Theory	52
70	Patient and clients' education	1(17hours)	Theory	29-45-46
71	Nutrition before, during and after pregnancy	1(17hours)	Theory	21-34-35
72	Promoting mother's breastfeeding	1(22hours)	Theory-Practice	27-29-46
73	Midwifery and reproductive health in natural disasters	1(17hours)	Theory	31-33- 45-46-47
74	Midwifery and reproductive health in urban health	1(17hours)	Theory	31-33-45-46-47
75	Normal and abnormal pregnancy practicum	3(153hours)	Internship	-
76	Normal and abnormal delivery (1)	2.5(255hours)	Internship	-
77	Normal and abnormal delivery (2)	2.5(255hours)	Internship	-
78	Women's diseases and infertility practicum	2(102hours)	Internship	-
79	Reproductive health, and mother, baby and family planning practicum	2(102hours)	Internship	-
80	Infants who need intensive care practicum	1(51hours)	Internship	-



81	Medical and surgical diseases in pregnancy practicum	1(51hours)	Internship	-
82	Management and its application in midwifery practicum	1(51hours)	Internship	-
83	Radiology, sonology and electrology in midwifery and women practicum	1(51hours)	Internship	-

### **Ethical issues**

The graduates should,

- Observe the Patient's Bill of Rights<sup>1</sup> when working with the patients.
- Strictly observe Biosafety and Patient Safety Rules\* concerning the patients, personnel and workplace.
- Observe the Rulebook for Dress Code<sup>2</sup>.
- Strictly observe the Regulations of Working with the Laboratory Animals<sup>3</sup>.
- Carefully preserve resources and equipment.
- Truly respect faculty members, the staff, classmates and other students and work for creating an intimate and respectful atmosphere.
- Observe social and professional ethical considerations in criticism.

1, 2 and 3 are contained in the Enclosures.

\* Biosafety and Patient Safety Rules will be set out by the Educational Departments and will be available to the students.