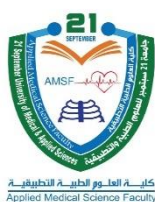


21 September University – for Medical and Applied Science



Template for Bachelor Program Specification

University: 21 September for Medical and Applied Sciences

Faculty: Applied Medical Sciences

Bachelor of Midwifery (BSc.MID)

بكالوريوس قابلة

Preparation Committee:

1. Professor Dr. Abdulsalam Mohammed Dallak
2. Professor Dr. Nabil Ahmed Al-Rabeei

2024م - 1445هـ

Academic Program Specification

1. Basic Information of the program

Program Title	Bachelor of Midwifery (BSc MID)
Awarding Institution	21 September University-Faculty of Applied Medical Sciences
Department responsible for the program	Department of midwifery
Program type	Single
Language of study	English
Year of study in the program	2023-2024
Mode of delivery	Regular, minimum attendance 75%
Teaching institution	21 September University- Faculty of Applied Medical Sciences
System of study	Semester system
Duration of study	The study of the program shall be of four years (8 semesters) duration as semester pattern of examination follow (12 months) internship training. Each academic year shall be two academic semesters and each semester is composed 16 weeks "including exams period". MID students are strongly encouraged to take all 135 credits hours.
Final award/s available	Bachelor of Midwifery
Award title	Bachelor of Midwifery
Qualification for admission to the program	Scientific Secondary school certificate
Grade for admission to the program	A minimum grade adopted annually by higher education and scientific research-Yemen Republic
Other requirements	Satisfactory outcome of an interview evaluating background and suitability for a Midwifery Specialist.
Coordinators	Professor Dr. Abdulsalam Mohammed Dallak Professor Dr. Nabil Ahmed Al-Rabeei
Data of program specification	New program 2023

2. University Vision, Mission and Aims

University Vision

A Contemporary University with National Responsibility and Faith Identity

University Mission

Leadership of transformation headway in managing and providing the health care with all partners via having the distinction standard in education and

applied and medical researches that meet the needs of Yemeni people and regional influence.

University Core values:

- Leadership and Influence
- Work effectively with a time
- Excellence and Innovation

Objectives of the University

Ensuring the application of quality standards and having the distinction standards in medical and applied sciences, scientific research and community service.

- 1- Adopting student-cantered learning, the partnership with them for life, consolidating the principles of national responsibility and faith identity, looking after them and developing their capabilities after graduation and during work.
- 2- Attracting and Employing scientists, cadres and talents to gain minds and put an end for the “brain drain” in a way that promotes and ensures the availability of thinkers, businessmen and good citizens.
- 3- Developing the distinguished academic infrastructure continuously and establishing modern research and service centres with high efficiency that can give a real effect locally and regionally.
- 4- Enhancing the university status as a preferred partner for local, regional and international partnership through implementing creative styles of education, exchanging researches and knowledge, and providing real and effective outcomes for developing professional practices to benefit from them locally and regionally.

3. Faculty Vision, Mission and Objectives

Faculty Vision

A contemporary college in the field of applied medical sciences and scientific

research with national responsibility and faith identity

كلية معاصرة في مجال العلوم الطبية التطبيقية والبحث العلمي بمسؤولية وطنية وهوية إيمانية

Faculty Mission

Participate in leading the transformation for the better in providing high-quality diagnostic and health care services according to the latest techniques and contemporary technology through excellence in research and applied medical education to meet the needs of Yemeni society with its specificity and regional influence.

المشاركة في قيادة التحول نحو الأفضل في تقديم خدمات التشخيص والرعاية الصحية عالية الجودة وفق أحدث التقنيات والتكنولوجيا المعاصرة من خلال التميز في البحوث والتعليم الطبي التطبيقي لتلبية احتياجات المجتمع اليمني بخصوصيته والتأثير الإقليمي.

Faculty Values:

- | | |
|------------------------------------|------------------------|
| 1-Respect and Appreciation | 1. الاحترام والتقدير |
| 2 .Commitment and professionalism | 2. الالتزام والمهنية |
| 3 .Loyalty | 3. الإخلاص |
| 4 .Transparency and Accountability | 4. الشفافية والمساءلة |
| 5 .Social Responsibility | 5. المسؤولية المجتمعية |
| 6. National Identity | 6. الهوية الوطنية |

Faculty Objectives

Head of Department	Quality Unit	4 Dean of the Faculty	Center of Development & Quality Assurance	Rector
Dr. Fares Mahday	Dr. Fadl Shujaa Al-deen	prof. Abdulsalam Dallaq	Dr.Mohammed Alshamahy	Prof. Mojahed Measar

- 1.Preparing a graduate who is able to interact positively with the problems of society.
- 2.Providing the student with modern skills and providing him with a culture of self-reliance in renewal, development and innovation.
- 3.Attracting and retaining distinguished faculty members.
- 4.Providing a stimulating environment for teaching and learning.
- 5 .Ensuring a high-quality educational and training level through which the graduate gains basic academic knowledge and scientific and clinical applications in line with the needs of the labor market.
6. Creating postgraduate programs, enhancing scientific research and working to develop the capabilities of faculty members to be familiar with everything new in the educational process.

1. إعداد خريج قادر على التفاعل بإيجابية مع مشكلات المجتمع.
2. تزويد الطالب بمهارات حديثة وتزويده بثقافة الاعتماد على النفس في التجديد والتطوير والابتكار .
3. استقطاب أعضاء هيئة تدريس متميزين والمحافظة عليهم.
4. توفير بيئة محفزة للتعليم والتعلم.
- 5 . ضمان مستوى تعليمي وتربوي جودة عالية يكسب الخريج من خلاله المعرفة الأكاديمية الأساسية والتطبيقات العلمية والإكلينيكية بما يتناسب مع احتياجات سوق العمل .
6. استحداث برامج دراسات عليا وتعزيز البحث العلمي والعمل على تنمية قدرات أعضاء هيئة التدريس للإلمام بكل ما هو حديث في العملية التعليمية .

4. Department Mission and Objectives

Head of Department	Quality Unit	5 Dean of the Faculty	Center of Development & Quality Assurance	Rector
Dr. Fares Mahday	Dr. Fadl Shujaa Al-deen	prof. Abdulsalam Dallaq	Dr.Mohammed Alshamahy	Prof. Mojahed Measar

Department Mission
Preparing highly qualified midwifery cadres that meet the needs of the labor market through educational and research programs and contributing in developing and serving the community.
Department Objectives
1. To provide opportunities for students to systematically engage with evidence and research throughout the program and so develop skills in evidence-based practice and lifelong learning. 2. To provide an innovative learning experience that develops comprehensive knowledge, professional values, clinical, graduate, and cognitive skills and which allows students to appreciate multiple perspectives and practice subtleties that lead to sound clinical reasoning, decision making and judgement and woman-centred, holistic approaches to midwifery practice. 3. To work with employers to support students to engage in authentic, practice-based learning activities which allow them to apply anatomy, physiology, pathophysiology, medicines management and sociocultural perspectives to all aspects of midwifery care, to develop autonomy, confidence and competence in practice. 4. To prepare midwives who are able to meet the demands of midwifery practice across a range of settings and models of care, in multiple contexts and within interdisciplinary and multiagency teams.

5. Program Vision, Mission and Objectives
Program Vision
To Pursue Excellence in midwifery education by preparing students to be competent, committed and ethical.
Program Mission
The program is committed to provide the highest quality midwifery education supported by highly qualified staff, for future midwives to become competent, ethical and compassionate care providers and life time partners to women.
Program objectives
<i>On Completion of the BSc Midwifery program, the graduate will be able to:</i>

1. Provide the detailed knowledge and skills necessary to equip student for a career in Midwifery
2. Provide Midwifery with sufficient clinical experience to equip you for a career in Midwifery.
3. Develop Midwifery competence in applying professional skills to the autonomous practice of normal Midwifery in accordance with the Midwives Rules and Standards
4. Develop key, transferable skills for general use in graduate employment to enable Midwifery to become a provider of quality maternity care for women and families.
5. Develop critical and analytical competence so that Midwifery become a thinking user of research evidence to improve care and outcomes for women, neonates and families .
6. Provide opportunities for Midwifery to learn with, and from, other healthcare professionals so that Midwifery develop competence in inter-professional practice to meet the needs of women and their families requiring maternity services.
7. Provide Midwifery with the capacity for reflective practice and life-long learning.
8. Enable you to work within a diverse and changing health and social care environment, responsive to demographic, lifestyle and scientific challenges.
9. Develop Midwifery to be skilled and safe, empathic and trustworthy, with the capacity to influence future midwifery care based upon the principles of autonomy and accountability within multidisciplinary and multi-agency teams.
10. Develop the personal and professional capacity and interpersonal skills required to work in partnership with women, to begin to lead and co-ordinate care in inter-professional and interagency contexts to effectively support women and their families.

6. Program Standards & Benchmarks:

The design of the BSc Midwifery program has been developed with reference to a number of universities, policies and strategies.

Program Standards:

1. Council for Accreditation of quality Assurance Standards for first level. Council for Accreditation and quality Assurance. Yemen Republic
2. International Confederation of Midwives. Essential Competencies for Midwifery Practice: 2019. Update. Published October 2019. Accessed April 13, 2021.
3. WHO, Dept. of Human Resources for Health, Global standards for the initial education of professional nurses and midwives, Geneva, World Health Organization, 2009.
4. Nursing & Midwifery Board of Australia, National Competency Standards for Registered Nurses, 2006.
5. Standards Framework for Nursing and Midwifery Education 2019. UK.
6. Standards for student supervision and assessment 2019. UK.
7. European Union Standards for Nursing and Midwifery: Information for Accession

Countries: Midwifery.	
8. The outcomes of the program also reflect the Nursing and Midwifery Council Standards of proficiency for pre-registration midwifery education (NMC 2009)	
9. Nursing and Midwifery Council. 2008. Standards to support learning and assessment in practice. London: NMC	
Program Benchmarks:	
1. American College of Nurse-Midwives. ACNM core competencies for basic midwifery practice. Published, 2021.	
2. American College of Nurse-Midwives. Standards for the practice of midwifery. Published, 2021.	
3. Teesside University. BSc Midwifery. Midwifery Competencies and Skills.	
4. University of Huddersfield. Health and human studies. BSc midwifery Programme Specification.UK.	
5. University of the West England. Bristol. Program specification. BSc (Hons) Midwifery. England.	
6. Programme Specification: BSc midwifery. Keele university.UK. 2020.	
7. An-Najah National University. Faculty of nursing. 2010	
8. Programme Specification – BSc midwifery. Uclan University .UK	
9. Programme Specification. BSc, PG Dip Midwifery and MSc Midwifery. Faculty of Health and Social Sciences. Bournemouth university. 2016	
10. Ledeg Midwifery College. Addis Ababa - B.Sc. midwifery	

7. Attributes of Midwifery Graduates

1	Women-center care	Enter into a holistic, compassionate, respectful partnership with the women and family that facilitates shared decision-making, recognizing consumer preferences, values, and needs in providing age and culturally appropriate, coordinated, safe, and effective care.
2	Quality Improvement	Contribute to evidence-based midwifery practice by participating in improvement strategies/processes including the use of data to design, implement and evaluate outcomes to improve the quality and safety of healthcare systems.
3	Professional and Ethical Practice	Demonstrate knowledge, understanding, responsibility and accountability of the legal obligations for ethical midwifery practice.
4	Communication skills	Communicate effectively, fostering mutual respect and shared decision making to enhance knowledge, experience, and health outcomes.
5	Teamwork and Collaboration	Practice effectively with the healthcare consumer, family, and inter-professional team(s), to build relationships and foster open communication, mutual

		respect, and shared decision-making)
6	Leadership skills	Demonstrate effective managerial and leadership skills in the provision of quality midwifery care and review health care outcomes in the light of quality indicators and benchmarks to achieve the ultimate goals of improving the quality of midwifery care.
7	Information technology	Utilize information technology to underpin health care delivery, communicate, manage knowledge and support decision making for women/newborn care.
8	Lifelong learning	Committed to continuous improvement in skills and knowledge while harnessing modern tools and technology.
8	Evidence-Based Practice	Integrate, and evaluates current evidence and research findings coupled with clinical expertise and consideration of consumers' preferences, experience, and values to make practice decisions for quality outcomes.
9	Safety	Utilizes clinical reasoning and critical thinking that drives a culture of safety to prevent risk of harm to healthcare consumers, families, colleagues, and the environment.

8. Program Intended Learning Outcomes (PILOs)

A. Knowledge and Understanding	
<i>On completion of the program successful students will be able to:</i>	
1.	Identify the structure and function of the human body, dysfunction and pathophysiology with particular focus on the anatomy and physiology of reproduction and fertility together with the impact of pregnancy and childbirth on the systems of the body.
2.	Delineate the normal physical, psychological, emotional, social, and behavioral development, including growth and development related to gender identity, sexual development, sexuality, and sexual orientation
3.	Describe the etiology, clinical manifestations, diagnosis, management of common women and newborn health problems.
4.	Determine the deviations from normal and appropriate interventions, including management of complications and emergencies utilizing consultation, collaboration, and/or referral as indicated.
5.	Understand the effects of menopause and aging on physical, mental, and sexual health
6.	Describe a range of acute and long terms conditions including both physical and mental health with particular reference to the impact on pregnancy. and vice versa.

7. Identify the effects of pregnancy complications on fetal development and newborn well-being.
8. Explain the concept of human sexuality from a scientific and health perspective, including biological sex, certain variations in sexual development, gender roles, and basic concepts related to marital relationships, pregnancy, and human reproduction.

B. Intellectual Skills

On completion of the program successful students will be able to:

1. Synthesize knowledge derived from the basic sciences, nursing, medicine, humanities and midwifery courses for the development of decision making in clinical practice.
2. Develop a comprehensive nursing care plan in all areas of clinical care of women and newborn.
3. Recognize signs of pregnancy and stages of labour and its managements and Assess fetal presentation, lie, position and engagement from 36 weeks gestation and at the onset of labour.
4. Critically demonstrate the care and management of antepartum and postpartum hemorrhage.
5. Read and interpret prescriptions for accuracy in terms of the correct dosage, route and treatment plan.
6. Analyze a variety of research and relate it to midwifery practice, to provide evidence-based care for birthing parents, newborns and their families.
7. Develop skills and knowledge required to manage childbirth emergencies, including situational awareness and advanced communication.

C. Practical and Clinical Skills

On completion of the program successful students will be able to:

1. Use the knowledge and skills from basic sciences, nursing, medicine and midwifery courses to provide primary care of the women and their baby they serve
2. Implement the principles of public health promotion and protection to women and their families, underpinned by an understanding of public health evidence and data.
3. Use the knowledge and skills from basic sciences, nursing, medicine and midwifery courses to provide preconception care of women.
4. Apply the knowledge and skills from basic sciences, nursing, medicine and midwifery courses to provide comprehensive gynecologic, reproductive and sexual health care of women.
5. Apply the knowledge and skills from basic sciences, nursing, medicine and midwifery courses to provide care for women in the antepartum, intrapartum and postnatal period.
6. Apply the knowledge and skills to independently manage the care of the well neonate (newborn immediately after birth and up to 28 days of life)

D. General and Transferable Skills

On completion of the program successful students will be able to:

1. Engage in continuing professional development and direct personal development.

2. Work independently or effectively within a team and co-ordinate multi-professional and inter-professional care in acute, community and public health contexts.
3. Use information and communication technology appropriately and effectively.
4. Communicate effectively by written, spoken and other means using appropriate techniques
5. Use the legislation, legal, ethical and professional frameworks for safe and effective medicines management along with the fundamentals of pharmacology and therapeutic effects of major drug groups on the body.

9. Intended Learning Outcomes Mapping

No	Cours eCode	Course name	Knowledge and Understanding								Intellectual Skills							Professional & practical skills							General & Transferable Skills				
			A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	C	C	C	C	C	C	D	D	D	D	D	
			1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	1	2	3	4	5	6	1	2	3	4	5	
1.	06.11.701	Arabic 101																											
2.	06.11.702	Arabic 102																											
3.	06.11.703	English 101																											
4.	06.11.704	English 102																											
5.	06.11.705	Islamic Culture																											
6.	06.11.706	National Culture																											
7.	06.11.707	Arabic Israeli Conflict																											
8.	01 01 8011	Anatomy and histology(1)																											
9.	04 01 813	Fundamental of Nursing(1)																											
10.	05 01814	Medical ethics																											
11.	04 01815	Medical terminology																											
12.	03 01 812	Biochemistry																											
13.	01 01 818	Anatomy and histology2																											
14.	01 01 819	physiology																											
15.	05 01 817	communications skills																											
16.	07 01 816	Computer Skills																											
17.	04 01 820	Fundamintal of Nursing 2																											
18.	04 01 821	Fundamental of Infection Control																											
19.	02 01 822	Basic Pharmacology																											
20.	03 01 823	Microbiology and Parasitology																											
21.	01 01 825	Pathology																											

10. Learning & teaching strategies

10. Assessment Strategies

Study Year	Term	Courses	Continuous Assess.30%	Final assessment 70%			Total
				Theory	Oral	Practice	
First	1	Fundamentals of Nursing I	75	90	25	60	250
First	2	Fundamentals of Nursing II	75	90	25	60	250
		Teaching strategies	45	55	20	30	150
		1. Lecture: It is the most frequently employed teaching method to convey knowledge and explain theories to students in large groups (50-200) or in sessions, which consist of more than one group gathered in one classroom.	30	70	-	-	100
		2. Lecture - Discussion: Formal or informal discussion/ address followed by leading and/or open-ended questions.	15	15	35	90	350
		3. Seminars: these are mainly used with small groups of students (20-30) students in which they find better chances for discussing and participating in the learning process.	45	55	20	30	150
		4. IT laboratory sessions: introduction number of students in session (20-30) students	45	55	20	30	150
		5. Group projects: students work on a project in groups of 10 to 15 students. Important for learning by doing, using the results in practical manner & for promoting team work skills	105	120	35	90	350
		6. Laboratory practice: students doing experiments in labs individually or in small groups	30	70	-	-	100
		7. Demonstration: faculty show how a skill should be performed or students are observed as they perform a skill.	105	120	35	90	350
		8. Student Presentation: Research shows peer teaching is an active learning strategy that results in significant gains in learning.	45	55	20	30	150
		9. Role Play: Students assume one of the characters in a simulated situation in order to experience different points of view or positions.	45	55	20	30	150
		10. Brainstorming: Used most often with groups, brainstorming is a technique for refining the definition of a problem, generating multiple solutions	105	120	35	90	350
		11. Case study: A detailed analysis is made of some specific, usually compelling event or series of related events so that learners will better understand it and what might be done about it.	75	90	25	60	250
		12. Clinical practices: Observations made or work carried on in a natural setting.	45	55	20	30	150
		Nursing Administration	75	90	25	60	250
		Family planning	45	55	20	30	150

10. Assessment strategies

12. Internship Assessment:

The internship assessed through:

- The rules and regulation guide for field training in the Faculty of Applied Medical Sciences/21 University regulated the process of training to achieve the objectives of the training courses.
- The evaluations of the training based on the evaluating report form the training site preceptors, students report, and faculty training committee evaluation. The details are presented in the internship guideline of the department of Midwifery

Code System

Code	Meaning
06	Courses required by: University
01	Courses required by : Midwifery Department
08	Courses required by : Faculty
MF	Courses required by : Midwifery Specialty

13. Program structure

No	Requirements		No. of Courses	Credit Hours	Rational Weight %
1	University Requirements	Compulsory	7	14	0.10
		Elective	--	--	
3	Faculty Requirements	Compulsory	27	65	0.48
		Elective	--	--	
4	Department Requirements	Compulsory	15	56	0.42
		Elective	--	--	
5	Program Requirements	Compulsory			
		Elective	--	--	
7	Research Project	Compulsory	3 credit hours included in faculty requirements		
		Elective			
	Total:		49	135	100%

List of Subjects According to Type of Requirements

First: University Requirements Courses:

- Electives course: (0) Credit hours
- Compulsory course: (7 courses/14 CH)

No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1.	1/1	06.11.801	Arabic 101	لغة عربية 101	2	2			
2.	1/2	06.11.802	Arabic 102	لغة عربية 102	2	2			
3.	1/1	06.11.803	English 101	لغة انجليزية 101	2	2			
4.	1/2	06.11.804	English 102	لغة انجليزية 102	2	2			
5.	1/1	06.11.805	Islamic Culture	ثقافة اسلامية	2	2			
6	1/2	06.11.806	National Culture	ثقافة وطنية	2	2			
7	1/2	06.11.807	Arabic Israeli Conflict	الصراع العربي الاسرائيلي	2	2			
					14	14	0		

14.2. Faculty Requirements Compulsory Courses

No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1	1/1	01 01 811	Anatomy and histology(1)	تشريح والانسجة 1	3	2	2		
2	1/1	04 01 813	Fundamental of Nursing(1)	اساسيات تمريض 1	3	2	2		
3	1/1	05 01 814	Medical ethics	اخلاقيات المهن الطبية	2	2			

13. Types of study:

Semester System-Regular

No. of credits hour for the program

137+12-month internalship

No. of CR and their percentage out of total No. of program hours

4	1/1	04 01 815	Medical terminology	مصطلحات طبية	2	2			
5	1/1	03 01 812	Biochemistry	كيمياء حيوية	2	2			
6	1/2	01 01 818	Anatomy and histology2	تشريح وانسجة 2	3	2	2		
7	1/2	01 01 819	physiology	علم وظائف	2	2			

15

Head of Department

Quality Unit

Dean of the Faculty

Center of Development
& Quality Assurance

Rector

Dr. Fares Mahday

Dr. Fadl Shujaa Al-deen

prof. Abdulsalam Dallaq

Dr.Mohammed Alshamahy

Prof. Mojahed Measar

				الأعضاء					
8	1/2	05 01 817	communications skills	مهارات اتصال	2	2			
9	1/2	07 01 816	Computer Skills	مهارات حاسوب	3	2	2		
10	1/2	04 01 820	Fundamintal of Nursing 2	اساسيات تمريض 2	3	2	2		
11	2/1	04 01 821	Fundamental of Infection Control	أساسيات التحكم بالعدوى	2	2			
12	2/1	02 01 822	Basic Pharmacology	اساسيات علم الادوية	2	2			
13	2/1	03 01 823	Microbiology and Parasitology	أحياء دقيقة وطفيليات	3	2	2		
14	2/2	01 01 825	Pathology	علم الأمراض	2	2			
15	2/2	02 01 827	Applied Pharmacology	ادوية تطبيقية	2	2			
16	2/2	05 01 826	Psychology	علم النفس	2	2			
17	3/1	04 01 830	Pediatric Nursing	تمريض أطفال	5	3		6	
18	3/1	01 01 831	Pathophysiology	فسيولوجيا مرضية	2	2			
19	3/1	05 02 833	Biostatistics	الإحصاء الحيوي	2	2			
20	3/1	04 02 832	Public Health	الصحة عامة	2	2			
21	3/2	01 02 835	Maternal Medicine	طب نساء	2	2			
22	3/2	05 01 837	Scientific Research methodology	طرق البحث العلمي	2	2			
23	4/1	01 02 838	Maternal surgery	جراحة نساء	4	2		6	
24	4/2	01 02 840	Basic Epidemiology	علم الأوبئة	2				
25	4/1	05 01 839	Health Administration and Quality Management	الإدارة الصحية وإدارة الجودة	2				
26	4/2	01 01 841	Forensic Medicine and women Issues	الطب الشرعي وقضايا صحة المرأة	2				
27	2/1	03 01 824	Basic Nutrition	تغذية أساسية	2	2			
Total					27	65	49	12	

14.3. Department requirements

Compulsory Courses

No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
Total									

14.4. Program Major

Compulsory Courses

No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1	1/2	08 01 811	Introduction of Midwifery	مقدمة في القبالة	2	2			
2	2/1	08 01 812	Health Assessment for Midwifery	التقييم الصحي للقبالة	3	2			
3	2/1	08 01 813	Antenatal Care	الرعاية قبل الولادة	6	2		12	
4	2/2	03 10 828	Therapeutic Nutrition	تغذية علاجية	2	2			
5	2/2	08 01 814	Intrapartum Care	الرعاية أثناء الولادة	6	2		12	
6	2/2	03 01 829	Embryology	علم الاجنة	2	2			
7	3/1	08 01 815	Postnatal care	الرعاية بعد الولادة	6	2		12	
8	3/2	08 01 816	Adult Health Nursing for Midwifery	تمريض صحة البالغين للقبالة	4	2		6	
9	3/2	08 01 834	Midwifery Emergency	طوارئ القبالة	6	2		12	
10	3/2	08 03 836	Foundation of Ultrasound	اساسيات الاشعة التلفزيونية	2	2			
11	4/1	08 01817	Neonatology	علم المواليد	4	2		6	
12	4/1	08 01 818	Mental Health in Midwifery	الصحة العقلية للقبالة	2	2			
13	4/2	08 01 819	Graduate Research Project	مشروع بحث التخرج	3			9	
14	4/2	0828 01 20	Family Planning	تنظيم الاسرة	4	2		6	
15	4/2	08 01821	Midwifery community	القبالة المجتمعية	4	2		6	
				15					

Total	56			81	
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Field Training Courses (if any)									
No	Level -Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1									
Total									

Project Work Course (1 Courses/ 3 CH)

No	Year Sem.	Course Code	Course Name	اسم المقرر	CH	L	T	P	Pre-requisites	Co-requisites
1	4/1&2	0801819	Research Project	مشروع التخرج	3			9	05 01 837	
Total										

Clinical Midwifery internship

Note: Internship Training: After successful completing the fourth academic years, The student must attend one year internship training in hospitals and health Centres.

SN	Code	Course	Duration
22	811	Clinical Midwifery internship	12 months

14. Study Plan

Level 1

Term 1								
No .	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1	06 11 801	Arabic language 101	لغة عربية 101	2	2			
2	06 11 803	English Language101	لغة انجليزية 101	2	2			
3	06 11 805	Islamic Culture	ثقافة إسلامية	2	2			
4	01 01 811	Anatomy and histology I	تشريح وانشجة 1	3	2	2		
5	03 01 812	Biochemistry	كيمياء حيوية	2	2			

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Prof. Mojahed Measar

6	04 01 813	Fundamental of Nursing I	اساسيات تمريض 1	3	2	2		
7	05 01 814	Medical ethics	اخلاقيات المهن الطبية	2	2			
8	04 01 815	Medical Terminology	مصطلحات طبية	2	2			
Total				18				

Term 2								
No.	Level-Sem. Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1	07 01 816	Computer Skills	مهارات حاسوب	3	2	2		
2	06 11 804	English language 102	لغة انجليزية 102	2	2		-	
3	05 01 817	Communication Skills	مهارات اتصال	2	2		-	
4	06 11 806	National Culture	ثقافته وطنيه	2	2		-	
5	01 01 818	Anatomy and Histology II	تشريح وانسجة 2	3	2		2	
6	06 11 807	arabic israeli confilct	الصراع العربي الاسرائيلي	2	2		-	
7	01 01 819	Physiology	علم وظائف الاعضاء	2	2		-	
8	06 11 802	Arabic Language 102	لغة عربية 102	2	2			
9	08 01 811	Introduction of Midwifery	مقدمة في القبالة	2	2		-	
10	04 01 820	Fundamental of Nursing 2	اساسيات تمريض 2	3	2	2		
Total				23	20	4		

Level 2

Term 1									
No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1		04 01 821	Fundamental of Infection Control	أساسيات التحكم بالعدوى	2	2			

2		02 01 822	Basic pharmacology	اساسيات علم الادوية	2	2	-		
3		03 01 823	Microbiology and Parasitology	أحياء دقيقة وطفيليات	3	2	2		
4		03 01 824	Basic Nutrition	تغذية أساسية	2	2			
5		08 01 812	Health Assessment for Midwifery	التقييم الصحي للقبالة	3	2		6	
6		08 01 813	Antenatal Care	الرعاية قبل الولادة	6	2		12	
Total					18				

Term 2									
No .	Level -Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1		01 01 825	Pathology	علم الامراض	2	2			
2		05 01 826	Psychology	علم النفس	2	2	-		
3		02 01 827	Applied Pharmacology	ادوية تطبيقية	2	2	-		
4		03 10 828	Therapeutic Nutrition	تغذية علاجية	2	2	-		
5		08 01 814	Intrapartum Care	الرعاية اثناء الولادة	6	2		12	
6		03 01 829	Embryology	علم الاجنة	2	2	-		
Total					16			12	

Level 3

Term 1									
No .	Level -Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1		04 01830	Pediatric Nursing	تمريض أطفال	5	3		6	--
2		08 01 815	Postnatal care	الرعاية بعد الولادة	6	2		12	

3		01 01 831	Pathophysiology	فسيولوجيا مرضية	2	2		-	
4		04 02 832	Public Health	الصحة عامة	2	2		-	
5		05 02 833	Biostatistics	الإحصاء الحيوي	2	2		-	
Total					17	11		18	

Term 2									
No .	Level -Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1		08 01 816	Adult Health Nursing for Midwifery	تمريض صحة البالغين للقبالة	4	2		6	
2		08 01 834	Midwifery Emergency	طوارئ القبالة	6	2		12	
3		01 02 835	Maternal Medicine	طب نساء	2	2			
4		08 03 836	Foundation of Ultrasound	اساسيات الاشعة التلفزيونية	2	2			
5		05 01 837	Scientific Research methodology	طرق البحث العلمي	2	2			
Total					16	10		18	

Level 4

Term 1									
No .	Level -Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1		08 01 817	Neonatology	علم المواليد	4	2		6	
2		01 02 838	Maternal surgery	جراحة نساء	4	2		6	
3		08 01 818	Mental Health in	الصحة العقلية للقبالة	2	2			

			Midwifery						
4		05 01 839	Health Administration and Quality Management	الإدارة الصحية وإدارة الجودة	2	2			
Total					12	8		12	

Term 2									
No .	Level -Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	T	P	Prerequisites, Co-requisites
1		08 01 819	Graduate Research Project	مشروع بحث التخرج	3	2		6	
2		01 02 840	Basic Epidemiology	علم الأوبئة	2	2			
3		08 01 8220	Family Planning	تنظيم الأسرة	4	2		6	
4		01 01 841	Forensic Medicine and women Issues	الطب الشرعي وقضايا صحة المرأة	2	2			
5		08 01821	Midwifery community	القبالة المجتمعية	4	2		6	
Total					15	8		18	

SN	Code	Course	Duration
Fifth year: Internship			
22	MF501	Clinical Midwifery Internship	12 months

12 months internship in the hospitals and health centers and under the supervision.

The student should be practices in the following setting:

- ANC
- Labor and postnatal care
- Gynecology ward
- Neonatology and pediatric ward

L= lecture: P=practical: C= clinical

Practical: each credit hours= 2 contact hours. Clinical: each credit hours= 3 contact hours.

SN	Tasks	Case Requirement	Duration
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1	Antenatal examination	30	2 weeks
2	Normal deliveries in Hospital	20	2 months
3	Vaginal Examination	5	1 month
4	Episiotomy and suturing	5	2 months
5	Neonatal resuscitation	5	2 weeks
6	Assist with Cesarean Section	5	2 months
7	Assist abnormal deliveries	5	2 months
8	Insertion of IUD	5	2 months
Total			12 onths

15. Distribution of Total Credit Hours:

Year	Term	University Requirements		Faculty Requirements		Department requirements		Speciality Requirements		Training		Research project		Total CH		Total CH/ Year
		No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	
First	First															
	Second															
Second	First															
	Second															
Third	First															
	Second															
Fourth	First															
	Second															
Total:																
%																100

16. Admission Requirements:

- Admissions to the program shall be made as per the admission rules set by the Ministry of Higher Education and Scientific Research as well as the role of 21 University admission guidelines.
- General Secondary school certificate (Science Section) or any equivalent certificate with grade as specified in the admission rules made by Ministry of Higher Education and Scientific Research.
- Pass the aptitude test and personal interview if any.
- Any necessary requirement for specialization, decided by the faculty.

17. Regulations for Progression and Program Completion

Attendance required for admission to examination

- No candidate should be permitted to appear in any one of the parts of B.Sc. in midwifery Degree course Examinations unless he/she has attended the course in

the subject for the prescribed period in an affiliated institution recognized by this University.

2. A candidate is required to put in a minimum of 75% of attendance in both theory and practical separately in each subject before admission to the examinations.
3. If the candidate is lacking attendance in any one of the subject(s), he/she will be detained for the subject(s) in whom the candidate lacks attendance but will be permitted to appear for the rest of the subjects in which the candidate is having minimum required percentage of attendance.

Progression and Program Completion

1. The duration of study for Bachelor's Degree of midwifery is four academic years. The student should attend the study as full- timer during the four study years.
2. For the students to be transferred from one academic year to the next, he is required to have successfully passed in all subjects in the final or in the complementary exams in October of the same year.
3. However, the student may still be transferred if he/she has failed in not more than three subjects one of them elective. In such cases, students " carrying" subjects from one year to the next should re-sit for their "failed" subjects in their proper respective semesters.
4. Final year students should pass in all subjects, student who have failed in October exam also, he/she has to re-sit for his exams in those subjects in their proper respective semesters thereafter as many times as necessary until he succeeds.

18. Graduation requirements:

The number of hours required to complete the program: 136 credits hours

The minimum degree for pass in the each course :

1. For courses involving only theoretical part , the minimum pass degree is 65% out of the total degree
2. For courses that involve practical/clinical parts, the student will not pass the course unless he/she passes both theoretical and practical course parties:
3. The student will pass the course if he/she gains at least 65% of the total the estimation weight of the course.
4. The minimum pass degree in the final theoretical exam is 35% of the estimation weight of the exam.
5. The minimum pass degree in the final practical exam is 35% of the estimation weight of the exam.

19. Grading System:

From 90% to 100% of total marks	Excellent
From 80% to less than 90%	Very Good
From 70% to less than 80%	Good
From 65% to less than 70%	Pass
Less than 65%	Poor/Fail

20. Facilities Required for Running the Program:

I-Learning Resources: 21 University has worked hard to create a distinctive learning

environment that includes classrooms, laboratories with the newest medical technology and equipment, and a well-stocked library. The university has always placed a high priority on meeting students' educational needs. In order to pursue practical training for midwifery students, the university has also negotiated collaboration agreements with various public and private hospitals, maternal and pediatric centers. The university has also signed collaboration partnerships with numerous public and private hospitals, health centres for pursuing clinical training.

1. The midwifery departments suggested the learning materials for the courses, and both the departmental councils and the course coordinators accepted them.
2. Based on the study plan and the course description, the department determines its educational material needs at the beginning of each semester and submits those requests to the college's deanship for review and fulfillment in accordance with the university's system.
3. Through surveys of students and teaching staff, the program ensures the quality of the learning resources.

II- Facilities and Equipment: Through a range of methods and in a supportive environment, the program facilities enable effective and efficient learning and high-quality electronic learning centers. Making excellent use of these resources empowers students to be in charge of their own education.

1. The program provides classrooms equipped with both whiteboards, smart boards, and data show equipment.
2. Each classroom is equipped with smart boards. Faculty members are trained by Deanship of E-learning Education on smart boards and E-learning system.
3. The program provides well-equipped laboratories in all departments.
4. The program provides skill lab equipped with all necessary equipment and tools for learning and gaining essential skills in midwifery and nursing practice.

Classrooms	Practical labs	Computer labs	Video conference Rooms
Study class rooms	Skills laboratory	Computer class room	Three videos conference room
Seminar class room	Chemistry lab.		conference hall
	Biochemistry lab.		
	Nursing skills lab.		
	Microbiology lab.		
	Biology lab.		
	Anatomy lab.		

III- Healthy and Safe Environment: 21 University applies approved safety regulations within laboratories, through continuous evaluation and maintenance of medical devices and equipment, as well as applying a comprehensive quality system related to occupational safety for students and workers in educational laboratories.

21. Program Assessment:

Type of the Sample who Assess the program	Instruments used	Percent of the assessment
A	Annual evaluation of the program	

1	Last year students	Questionnaire	10%
2	Graduated students	Questionnaire	20%
2	Academic Staff in the University	Questionnaire	20%
3	Stockholders	Questionnaire	10%
B	Comprehensive evaluation every 5 years via		
6	Analysis of the market requirements		10%
7	Improvement plan		10%
8	Operational plan		10%
9	Changes in the program mission		10%
10	Changes in the program objectives		10%

22. Program Quality Standards:

Quality Assurance and Development Centre was established in the university according to the administrative decree of university. The faculty of Applied Medical Sciences has a Unite of Quality Assurance and Development which regulated by Deanship of The Quality Assurance and Development Centre. The Centre provides the faculty with all necessary information for quality management and is responsible for evaluating and monitoring the achievement of plan and objectives.

The Program Quality Standards concentrate on:

- The suitability of study programs to the needs of society, the labor market, and development requirements knowledge.
- The extent to which courses and curricula relate to the university's mission and philosophy.
- The extent to which the faculty curricula keep pace with the developments of technology in the field of pharmacy.
- The availability of specific, announced and fair systems for evaluating students' performance.
- The suitability of the study programs for the requirements of preparing a graduate with the ability to analyze and think
- Logical, creativity, work within the team, take responsibility and deal with the means modern technology.

23. Internal and external training to satisfy program standards:

The Quality Assurance and Development Centre at 21 university carries out training program for academic staff and for official's staff based on the data analysis for academic performance which held during and after the completion of the academic semesters. The important issues and requirements will be assessed and the plan for training will take place to corrects and enhance the educational performance.

In academic section

- Academic part training
- Program and course specification training workshop
- Training on self-assessment of academic programs
- Training workshops in formulating strategic directions and strategic planning

- Training workshops in the methods and strategy of university teaching
 - Workshops in academic advising and Scientific seminars for academic guidance
- External Training:** It is the training that is carried out by organization outside the institution that is subject to training.
- National training by Mistry of Higher Education and Scientific Research
 - National training by Council for Accreditation and Quality Assurance Yemen

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