Faculty of Medicine,

Zagazig University

Bachelor of Medicine & Surgery

Program Specification credit point bylaw 2021 (2026)

1. Basic Information

ProgramTitle:	**Bachelor of Medicine and Surgery (MBBCH)**
Total number of credit hour of the program:	**211 credit hours**
Number of academic years/levels:	**5 academic years (10 semesters)**
Departments Participating in teaching the program:	**All faculty departments**
Faculty/Institute:	**Faculty of Medicine**
University:	**Zagazig University**
Program majors/divisions/tracks/specialities in the final year:	**Not applicable**
Partnerships with other parties and the nature of each:	**Not applicable**
Name of the program coordinator (attach the assignment decision):	**Vice Dean for Education and Student Affairs**
Program Specification Approval Date:	**9/15/2026**
Council responsible for Program Specification Approval (Attach the Decision / Minutes):	**Quality assurance unit Faculty council**

2. Program Aims

The undergraduate MBBCh program at the Zagazig University Faculty of Medicine is an integrated, competency-based curriculum dedicated to graduating highly competent physicians who deliver safe, high-quality, and patient-centered clinical

care with a strong emphasis on primary healthcare and prevalent community health problems. Grounded in a profound respect for medical ethics, professional accountability, and governing laws, the program fosters the development of therapeutic, respectful doctor-patient relationships and the ability to collaborate effectively within inter-professional healthcare teams and administrative structures. Furthermore, it empowers graduates to leverage leadership, healthcare economics, and managerial skills to optimize resource allocation within the wider healthcare system, while actively contributing to local community development, disease surveillance, and public empowerment. Ultimately, the program prepares graduates for academic advancement and scientific research by instilling a deep-seated commitment to lifelong learning, continuous self-assessment, and ongoing professional development. The curriculum aligns with national and international standards of the World Federation for Medical Education (WFME) and supports readiness for internship and postgraduate training

3. Program Structure (Curriculum)

- **Program Components**

Requirement Category/Type		Number of Courses	Number of Credit Hours	Percentage from the total number of hours
University Requirements		**1**	**1**	**0.47%**
Faculty/College Requirements			**Not applicable**	
Program Requirements		**40**	**211**	
Requirements of the majors/ divisions/ tracks/specialisations in the final year (if any)				
Other requirements	**Field Training**		**Not applicable**	
	Graduation Project			
	Mandatory training year			

	Other (to be mentioned)			
Total Compulsory Courses		**35**	**200 CH**	**94.8%**
Elective Courses		**5**	**11**	**5.2%**
Total			**211**	

- **Program courses according to the study plan**

Academic Level	Semester	Course Code	Course Title	Course Type (Compulsory / Elective)	Requirement Category/ Type	Number of Credit Hours	Number of weeks	Number of Weekly Hours		
								Theoretical teaching	Practical training	Other
الاول	فصل دراسي اول	ZU HR 1-1	Human Rights & Anti-Corruption	اجباري	جامعة	1	1	15		
الاول	فصل دراسي اول	BMS AE 1-1	Academic English for Medical Students	اجباري	كلية	2	1	30		
الاول	فصل دراسي اول	BMS PP 1-1	Professional Practice I	اجباري	كلية	2	2	12	24	
الاول	فصل دراسي اول	BMS SF 1-1	Structural & Functional Principles of Human Body	اجباري	كلية	8	5	12	24	
الاول	فصل دراسي اول	BMS DD 1-1	Disease & Defense Mechanisms of Human Body	اجباري	كلية	5	3	12	24	
الاول	فصل دراسي اول	SSC	Student Selected Component	اجباري	كلية	2	2	15	30	
الاول	فصل دراسي ثاني	BMS BI 1-1	Blood, Lymph & Immunology	اجباري	كلية	6	4	12	24	
الاول	فصل دراسي ثاني	BMS MI 1-1	Musculoskeletal & Integumentary Systems	اجباري	كلية	9	5+4 d	12	24	
الاول	فصل دراسي ثاني	BMS PP 1-2	Professional Practice II	اجباري	كلية	2	2	12	24	

Academic Level	Semester	Course Code	Course Title	Course Type (Compulsory / Elective)	Requirement Category/ Type	Number of Credit Hours	Number of weeks	Number of Weekly Hours		
								Theoretical teaching	Practical training	Other
الاول	فصل دراسي ثاني	BMS RE 1-1	Respiratory System	اجباري	كلية	5	3	12	24	
الثاني	فصل دراسي اول	BMS KU 1-1	Kidney & Urinary System	اجباري	كلية	5	3	12	24	
الثاني	فصل دراسي اول	BMS DI 1-1	Digestive System	اجباري	كلية	8	5	12	24	
الثاني	فصل دراسي اول	BMS CV 1-1	Cardiovascular System	اجباري	كلية	6	4	12	24	
الثاني	فصل دراسي اول	BMS PP 1-3	Professional Practice III	اجباري	كلية	1	1	12	24	
الثاني	فصل دراسي اول	SSC	Student selected component (SSC) (elective) II	اجباري	كلية	2	2	15	30	
الثاني	فصل دراسي ثاني	BMS EN 1-1	Endocrine System	اجباري	كلية	5	3	12	24	
الثاني	فصل دراسي ثاني	BMS RD 1-1	Reproductive System & Development	اجباري	كلية	9	5+4 d	12	24	
الثاني	فصل دراسي ثاني	BMS NB 1-1	Nervous System & Behavioral Sciences	اجباري	كلية	8	5	12	24	
الثالث	فصل دراسي اول	BMS IC 2-1	Introduction to Clinical Practice	اجباري	كلية	5	4	9	27	
الثالث	فصل دراسي اول	BMS PI 2-1	Preventive Medicine & Infections	اجباري	كلية	7	5+2	9	27	12 field
الثالث	فصل دراسي اول	BMS HS 2-1	Healthcare Systems & Services	اجباري	كلية	6	5	9	27	22 field
الثالث	فصل دراسي اول	BMS PP 2-4	Professional Practice V	اجباري	كلية	2	2	8	15	

Academic Level	Semester	Course Code	Course Title	Course Type (Compulsory / Elective)	Requirement Category/ Type	Number of Credit Hours	Number of weeks	Number of Weekly Hours		
								Theoretical teaching	Practical training	Other
الثالث	فصل دراسي اول	SSC	Student selected component (SSC) (elective) III	اجباري	كلية	4	3	30	60	
الثالث	فصل دراسي ثاني	BMS CV 2-2	Cardiovascular Disorders	اجباري	كلية	7	5+2 d	9	27	
الثالث	فصل دراسي ثاني	BMS NP 2-1	Nervous & Psychiatric Disorders	اجباري	كلية	7	5+2 d	9	27	
الثالث	فصل دراسي ثاني	BMS KU 2-2	Kidney & Urogenital Disorders	اجباري	كلية	7	5+2 d	9	27	
الرابع	فصل دراسي اول	BMS MI 2-2	Musculoskeletal & Integumentary Disorders	اجباري	كلية	6	4+3 d	9	27	
الرابع	فصل دراسي اول	BMS RE 2-2	Respiratory Disorders	اجباري	كلية	5	4	9	27	
الرابع	فصل دراسي اول	BMS SS 2-1	Special Senses Disorders	اجباري	كلية	10	8	9	25	
الرابع	فصل دراسي ثاني	BMS EN 2-2	Endocrinal Disorders	اجباري	كلية	6	4+3 d	9	27	
الرابع	فصل دراسي ثاني	BMS FR 2-1	Female Reproductive Medicine and Surgery I	اجباري	كلية	8	6+1 d	9	27	
الرابع	فصل دراسي ثاني	BMS FR 2-2	Female Reproductive Medicine and Surgery II	اجباري	كلية	6	4+3 d	9	27	
الخامس	فصل دراسي اول	BMS CH 2-1	Child Health Problems	اجباري	كلية	4	4	9	18.5	
الخامس	فصل دراسي اول	BMS DI 2-2	Digestive System Disorders	اجباري	كلية	8	7	10	22	
الخامس	فصل دراسي اول	BMS NU 2-1	Clinical Nutrition	اجباري	كلية	5	5	9	18.5	

Academic Level	Semester	Course Code	Course Title	Course Type (Compulsory / Elective)	Requirement Category/ Type	Number of Credit Hours	Number of weeks	Number of Weekly Hours		
								Theoretical teaching	Practical training	Other
الخامس	فصل دراسي اول	BMS PP 2-5	Professional Practice IV	اجباري	كلية	2	2	8	15	
الخامس	فصل دراسي اول	SSC	Student selected component (SSC) (elective) IV	اجباري	كلية	2	2	15	30	
الخامس	فصل دراسي ثاني	BMS HO 2-1	Hematology, Immunology & Oncology	اجباري	كلية	6	6	9	18.5	
الخامس	فصل دراسي ثاني	BMS EM 2-1	Emergency 1	اجباري	كلية	8	8	9	18.5	
الخامس	فصل دراسي ثاني	BMS EM 2-2	Emergency 2	اجباري	كلية	4	4	9	18.5	
الخامس	فصل دراسي ثاني	SSC	Student selected component (SSC) (elective) IV	اجباري	كلية	1	1	7.5	15	

4. Academic Standards

- **Adopted Academic Standards (NARS/ARS): NARS**
- **Date of Adoption of Standards in the governing Council:** Click or tap to enter a date.
  Approved in September 2026

5. Matrix of Academic Standards (Program Outcomes Pos) with Courses

Compulsory Courses	Competency Area I: The Graduate as a Healthcare Provider																
	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	1.11	1.12	1.13	1.14	1.15	1.16	1.17
BMS AE 1-1									*								
BMS SF 1-1																	
BMS DD 1-1						*		*									
BMS PP 1-1												*					

Compulsory Courses	Competency Area I: The Graduate as a Healthcare Provider																
	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	1.11	1.12	1.13	1.14	1.15	1.16	1.17
BMS BI 1-1						*											
BMS MI 1-1								*		*							
BMS RE 1-1						*		*									
BMS PP 1-2	*	*									*	*					
BMS CV 1-1						*		*									
BMS KU 1-1						*		*									
BMS DI 1-1						*											
BMS PP 1-3											*	*					
BMS EN 1-1								*									
BMS RD 1-1								*									
BMS NB 1-1						*		*									
BMS IC 2-1	*	*	*	*		*		*	*	*	*	*	*		*	*	*
BMS PI 2-1					*	*											
BMS HS 2-1					*	*											*
BMS PP 2-4	*	*		*		*											
BMS CV 2-2	*	*		*		*		*	*	*	*	*	*	*		*	
BMS NP 2-1	*	*	*	*		*		*	*	*	*	*	*	*		*	
BMS KU 2-2	*	*		*		*		*	*	*	*	*	*	*		*	
BMS MI 2-2	*	*		*		*		*	*	*	*	*	*	*		*	
BMS RE 2-2	*	*		*		*		*	*	*	*	*	*	*		*	
BMS SS 2-1	*	*		*		*		*	*	*	*	*	*	*		*	
BMS EN 2-2	*	*		*		*		*	*	*	*	*	*	*		*	
BMS FR 2-1	*	*		*		*		*	*	*	*	*	*	*		*	
BMS FR 2-2	*	*		*		*		*	*	*	*	*	*	*		*	
BMS CH 2-1	*	*	*	*	*	*	*	*		*			*		*		
BMS DI 2-2	*	*		*	*	*	*	*		*		*	*	*	*	*	*
BMS NU 2-1	*	*		*	*	*		*		*		*	*				
BMS PP 2-5									*								
BMS HO 2-1	*			*	*	*	*	*		*			*				
BMS EM 2-1	*			*	*	*				*	*				*		
BMS EM 2-2	*			*	*	*	*	*	*	*	*	*	*	*	*	*	*

Compulsory Courses	Competency Area II: The Graduate as a Health Promoter								
	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
BMS AE 1-1									
BMS SF 1-1									
BMS DD 1-1				*	*				
BMS PP 1-1									*
BMS BI 1-1				*	*				*
BMS MI 1-1									
BMS RE 1-1									

Compulsory Courses	Competency Area II: The Graduate as a Health Promoter								
	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
BMS PP 1-2									
BMS CV 1-1									
BMS KU 1-1									
BMS DI 1-1			*	*					
BMS PP 1-3									
BMS EN 1-1				*	*	*			
BMS RD 1-1									
BMS NB 1-1				*					
BMS IC 2-1		*			*	*			*
BMS PI 2-1	*							*	
BMS HS 2-1	*							*	
BMS PP 2-4									
BMS CV 2-2		*			*	*			
BMS NP 2-1		*			*	*			
BMS KU 2-2		*			*	*			
BMS MI 2-2		*			*	*			
BMS RE 2-2		*			*	*			
BMS SS 2-1		*			*	*			
BMS EN 2-2		*			*	*			
BMS FR 2-1		*			*	*			
BMS FR 2-2		*			*	*			
BMS CH 2-1				*		*			*
BMS DI 2-2	*	*	*	*	*	*	*		*
BMS NU 2-1	*		*	*	*	*	*	*	*
BMS PP 2-5						*			
BMS HO 2-1									
BMS EM 2-1	*						*	*	
BMS EM 2-2	*	*	*	*	*	*	*	*	*

Compulsory Courses	Competency Area III: The Graduate as a Professional								
	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
BMS AE 1-1									
BMS SF 1-1									
BMS DD 1-1									
BMS PP 1-1									
BMS BI 1-1									
BMS MI 1-1									
BMS RE 1-1									
BMS PP 1-2									

Compulsory Courses	Competency Area III: The Graduate as a Professional								
	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
BMS CV 1-1									
BMS KU 1-1									
BMS DI 1-1									
BMS PP 1-3									
BMS EN 1-1									
BMS RD 1-1									
BMS NB 1-1	*						*		
BMS IC 2-1					*	*	*	*	*
BMS PI 2-1			*	*					
BMS HS 2-1			*	*					
BMS PP 2-4		*		*	*				
BMS CV 2-2	*					*	*	*	*
BMS NP 2-1	*					*	*	*	*
BMS KU 2-2	*					*	*	*	*
BMS MI 2-2						*	*	*	*
BMS RE 2-2						*	*	*	*
BMS SS 2-1	*					*	*	*	*
BMS EN 2-2						*	*	*	*
BMS FR 2-1						*	*	*	*
BMS FR 2-2						*	*	*	*
BMS CH 2-1		*	*	*					
BMS DI 2-2		*	*		*	*		*	
BMS NU 2-1	*						*		
BMS PP 2-5		*				*			*
BMS HO 2-1									
BMS EM 2-1						*			
BMS EM 2-2									

Compulsory Courses (Name and code)	Competency Area IV: The Graduate as a Scholar and Scientist							
	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8
BMS AE 1-1								
BMS SF 1-1	*	*	*					*
BMS DD 1-1						*	*	*
BMS PP 1-1								
BMS BI 1-1	*	*			*		*	
BMS MI 1-1		*			*	*	*	*
BMS RE 1-1	*	*				*	*	*
BMS PP 1-2								
BMS CV 1-1	*	*			*	*	*	
BMS KU 1-1	*	*				*	*	*

Compulsory Courses (Name and code)	Competency Area IV: The Graduate as a Scholar and Scientist							
	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8
BMS DI 1-1	*	*			*	*	*	
BMS PP 1-3								
BMS EN 1-1	*				*	*	*	*
BMS RD 1-1	*		*		*	*	*	*
BMS NB 1-1	*	*	*	*		*	*	*
BMS IC 2-1					*	*	*	
BMS PI 2-1								
BMS HS 2-1				*				
BMS PP 2-4								
BMS CV 2-2					*	*	*	
BMS NP 2-1					*	*	*	
BMS KU 2-2					*	*	*	
BMS MI 2-2					*	*	*	
BMS RE 2-2					*	*	*	
BMS SS 2-1					*	*	*	
BMS EN 2-2					*	*	*	
BMS FR 2-1					*	*	*	
BMS FR 2-2					*	*	*	
BMS CH 2-1			*		*		*	
BMS DI 2-2		*				*	*	*
BMS NU 2-1					*	*	*	
BMS PP 2-5								
BMS HO 2-1	*	*			*	*	*	
BMS EM 2-1					*	*		
BMS EM 2-2	*	*	*	*	*	*	*	*

Compulsory Courses	Competency Area V: *The graduate as member of the health team and a part of the health care system*											
	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.10	5.11	5.12
BMS AE 1-1					*							
BMS SF 1-1												
BMS DD 1-1												
BMS PP 1-1												
BMS BI 1-1												
BMS MI 1-1												
BMS RE 1-1												
BMS PP 1-2												
BMS CV 1-1												
BMS KU 1-1												
BMS DI 1-1												
BMS PP 1-3												

Compulsory Courses	Competency Area V: *The graduate as member of the health team and a part of the health care system*											
	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.10	5.11	5.12
BMS EN 1-1												
BMS RD 1-1												
BMS NB 1-1												
BMS IC 2-1		*	*	*	*	*	*			*		*
BMS PI 2-1								*	*		*	
BMS HS 2-1								*	*		*	
BMS PP 2-4	*											
BMS CV 2-2		*	*	*	*	*	*			*		*
BMS NP 2-1		*	*	*	*	*	*			*		*
BMS KU 2-2		*	*	*	*	*	*			*		*
BMS MI 2-2		*	*	*	*	*	*			*		*
BMS RE 2-2		*	*	*	*	*	*			*		*
BMS SS 2-1		*	*	*	*	*	*			*		*
BMS EN 2-2		*	*	*	*	*	*			*		*
BMS FR 2-1		*	*	*	*	*	*	*	*	*		*
BMS FR 2-2		*	*	*	*	*	*	*	*	*		*
BMS CH 2-1	*				*							*
BMS DI 2-2	*											
BMS NU 2-1	*											
BMS PP 2-5									*			
BMS HO 2-1												
BMS EM 2-1												
BMS EM 2-2	*											

Compulsory Courses	Competency Area VI: *The graduate as a lifelong learner and researcher*									
	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10
BMS AE 1-1			*			*		*		*
BMS SF 1-1										
BMS DD 1-1										
BMS PP 1-1										
BMS BI 1-1										
BMS MI 1-1										
BMS RE 1-1										
BMS PP 1-2										
BMS CV 1-1										
BMS KU 1-1										
BMS DI 1-1										
BMS PP 1-3										
BMS EN 1-1										

Compulsory Courses	Competency Area VI: *The graduate as a lifelong learner and researcher*									
	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.10
BMS RD 1-1										
BMS NB 1-1			*							
BMS IC 2-1	*	*		*	*		*	*		*
BMS PI 2-1						*			*	
BMS HS 2-1			*			*			*	
BMS PP 2-4										
BMS CV 2-2	*	*	*	*	*		*	*		*
BMS NP 2-1	*	*		*	*		*	*		*
BMS KU 2-2	*	*		*	*		*	*		*
BMS MI 2-2	*	*		*	*		*	*		*
BMS RE 2-2	*	*		*	*		*	*		*
BMS SS 2-1	*	*		*	*		*	*		*
BMS EN 2-2	*	*		*	*		*	*		*
BMS FR 2-1	*	*		*	*	*	*	*		*
BMS FR 2-2	*	*		*	*	*	*	*		*
BMS CH 2-1	*	*		*	*		*	*		*
BMS DI 2-2										
BMS NU 2-1	*	*		*	*		*	*		*
BMS PP 2-5							*	*	*	*
BMS HO 2-1										
BMS EM 2-1										
BMS EM 2-2										

6. Teaching and Learning strategies/methods to achieve Program Outcomes:

The program adopts integrated and student-centred teaching strategies including:

- Interactive Lectures
- Case-Based Learning (CBL)
- Team-Based Learning (TBL)
- Flipped classroom
- Bedside teaching
- Practical sessions
- Clinical skills laboratories

- Seminars and tutorials
- E-learning platforms
- Field visits and community-based learning
- Researches and assignments

7. Student Assessment strategies/methods to verify and ensure students' acquisition of Program Outcomes:

Periodic assessment

1. **Quizzes**
   - **Single** best answer questions (SBA),
2. **Active learning assessment: Team-based learning (TBL), Flipped learning, field visits**:
   - Scoring rubric for flipped classroom
   - SBA, case scenarios for TBL.
   - Assignment-specific assessment criteria (e.g. calculated rates, presentations.etc)
3. **Tutorial/ Practical assignment:** Practical Procedures (DOPS) Clinical skills (MiniCEx) Other Assignment output DOPS checklist Scoring rubric Assignment specific assessment criteria Scoring rubric /assessment criteria

Final Eam:

1- Written exam

•Selective Response questions (e.g. Single best answer (SBA), Extended matching questions (EMQs))

•Constructive Response questions (e.g. short answer questions (SAQs), label a diagram, Modified Essay Questions, Structured essay questions)

2- Practical/Clinical exams

- Objective Structured Clinical Examination (OSCE) – Objective Structured Practical Examination (OSPE)
- OSLAR: Objective structured Long Examination Record
- OSVE: Objective structured Video Examination - VOSCE: Video/ Virtual Objective .....

8. Program Key Performance Indicators (if any)

No.	Performance Indicator	Target Level	Method	Measurement
1.	Student satisfaction rate	≥ 85	Surveys	Likert-scale questionnaires
2.	Graduate competency achievement	≥ 80	OSCE / OSPE	Competency rubric / NARS mapping
3.	Pass and progression rates	≥ 90%	Academic records	Exam results database
4.	Clinical skills assessment performance	≥ 80%	OSCE / Mini-CEX /DOPS	Checklists & global rating
5.	Employer/stakeholder feedback	≥ 75–85%	Surveys & interviews	Structured questionnaires
6.	Program review and quality improvement indicators	100%	Internal & external audit	QA reports & review documents

Name & Signature Program Coordinator	Name & Signature Vice Dean for Education and Student Affairs

Scanned with CamScanner

Mapping of Skills mentioned in NARS achieved in 2021 bylaws

Skill	Semester	Module	Teaching methods	Assessment methods
A- Physical examination				
Measuring body temperature	S5	BMS IC 2-1	Clinical	OSCE (clinical station with observer)
Measuring pulse rate, respiratory rate and blood pressure	S2 S3 S5	BMS PP 1-2, BMS CV 1-1, BMS IC 2-1	Clinical Practical Clinical	OSCE (clinical station with observer)
Anthropometric Measurements and assessment of nutritional status	S5 S9	BMS IC 2-1 BMS NU 2-2	Clinical Clinical	OSCE (clinical station with observer)
Chest examination	S7	BMS RE 2-2	Clinical	OSCE (clinical station with observer)
Heart examination	S6	BMS CV 2-1	Clinical	OSCE (clinical station with observer)
Abdominal examination	S5 S10	BMS IC 2-1 BMS DI 2-1	Clinical, virtual simulation	OSCE (clinical station with observer)
Locomotor system examination	S7	BMS MI 2-1	Clinical	OSCE (clinical station with observer) Data interpretation skills
Nervous system examination	S6	BMS NP 2-1	Clinical	OSCE (clinical station with observer) Data interpretation skills
Examination of the jugular veins	S6	BMS CV 2-1	Clinical	OSCE
Ear examination	S7	BMS SS 2-1	Clinical	OSCE (clinical station with observer) Data interpretation skills
Throat examination	S7	BMS SS 2-1	Clinical	OSCE (clinical station with observer) Data interpretation skills
External Eye and fundus examination	S7	BMS SS 2-1	Clinical	Pole player with observer)
Breast examination	S8	BMS EN 2-2	Virtual simulation	Data interpretation skills
Examination of the thyroid	S8	BMS EN 2-2	Clinical	OSCE (clinical station with observer)
Lymph nodes examination	S10	BMS HO 2-1	Clinical	OSCE (clinical station with observer)

PV examination	S8	BMS FR 2-2	Virtual	Data interpretation skills
Assessment of uterine fundus level in pregnancy	S8	BMS FR 2-2	Skill lab, Virtual simulation	Data interpretation skills
PR examination	S6	BMS KU 2-2	Skill lab	OSCE (practical station with observer)
Examining lumps	S5	BMS IC 2-1	Clinical	OSCE (clinical station with observer)
B- Basic diagnostic & intervention procedures				
Performing venipuncture and collecting blood samples	S10	BMS HO 2-1	Virtual simulation	Data interpretation skills
Inserting a cannula into peripheral veins	S2 S5	BMS PP 1-2 BMS PP 2-4	Skill lab	OSCE (practical station with observer)
Establishing peripheral intravenous access and setting up an infusion; use of infusion devices	S5	BMS PP 2-4	Skill lab	OSCE (practical station with observer)
Giving intramuscular, subcutaneous, intradermal and intravenous injections	S2 S5	BMS PP 1-2 BMS PP 2-4	Skill lab	OSCE (practical station with observer)
Suturing of superficial wounds.	S2	BMS PP 1-2	Skill lab	OSCE (practical station with observer)
Performing cardiopulmonary resuscitation and basic life-support	S2	BMS PP 1-2	Skill lab	OSCE (practical station with observer)
Performing and interpreting basic bedside laboratory tests	S10	BMS EM 2-1 BMS EM 2-2	Clinical	Data interpretation skills
Performing and interpreting ECG	S3 S6	BMS CV 1-1 BMS CV 2-1	Practical Clinical	Data interpretation skills
Managing an electrocardiograph (ECG) monitor	S3 S6	BMS CV 1-1 BMS CV 2-1	Practical Clinical	Data interpretation skills
Taking swabs for different diagnostic purposes	S10	BMS HO 2-1	Virtual simulation	Data interpretation skills
Using a nebulizer for administration of inhalation therapy	S7	BMS RE 2-2	Clinical	Data interpretation skills

Performing male and female bladder catheterization	S6	BMS KU 2-2	Skill lab	OSCE (practical station with observer)
Administering basic oxygen therapy	S5	BMS PP 2-4	Practical	Data interpretation skills
Wound care and basic wound dressing	S2	BMS PP 1-2	Virtual simulation	Data interpretation skills
Managing Blood transfusion	S10	BMS HO 2-1	Virtual simulation	Data interpretation skills
Inserting a nasogastric tube.	S2	BMS PP 1-3	Skill lab	OSCE (practical station with observer)
Administering local anesthetics	S5	BMS IC 2-1	Virtual simulation	Data interpretation skills
Performing the procedure of normal labor	S8	BMS FR 2-2	Virtual simulation	Data interpretation skills
C- Practical skills				
Dissecting the different parts and organs of the human body	S1 S2 S2 S3 S3 S3 S4 S4 S4	BMS SF 1-1 BMS MI 1-1 BMS RE 1-1 BMS FU 1-1 BMS DI 1-1 BMS CV 1-1 BMS EN 1-1 BMS RD 1-1 BMS NB 1-1	Practical	Data interpretation skills
Performing Biochemical and microscopic urine and stool analysis	S1 S1	BMS SF 1-1 BMS DD 1-1	Virtual simulation	Data interpretation skills
Performing basic biochemical blood tests	S1	BMS SF 1-1	Practical Virtual simulation	Data interpretation skills
Preparing urine and stool specimen for microscopic examination	S1	BMS DD 1-1	Virtual simulation	Data interpretation skills
Identification of parasites and parasitic ova under the microscope	S1	BMS DD 1-1 BMS DI 1-1	Practical	Data interpretation skills

Identification of different normal tissue sections under the microscope	S1 S2 S2 S2 S3 S3 S3 S4 S4 S4	BMS SF 1-1 BMS BI 1-1 BMS MI 1-1 BMS RE 1-1 BMS FU 1-1 BMS DI 1-1 BMS CV 1-1 BMS EN 1-1 BMS RD 1-1 BMS NB 1-1	Practical	Data interpretation skills
Identification of different pathological alterations in tissue sections under the microscope	S1 S2 S2 S2 S3 S3 S3 S4 S4 S4	BMS DD 1-1 BMS BI 1-1 BMS MI 1-1 BMS RE 1-1 BMS FU 1-1 BMS DI 1-1 BMS CV 1-1 BMS EN 1-1 BMS RD 1-1 BMS NB 1-1	Practical	Data interpretation skills
Identification of gross pathological alterations in different body organ specimens	S1 S2 S2 S2 S3 S3 S3 S4 S4 S4	BMS DD 1-1 BMS BI 1-1 BMS MI 1-1 BMS RE 1-1 BMS FU 1-1 BMS DI 1-1 BMS CV 1-1 BMS EN 1-1 BMS RD 1-1 BMS NB 1-1	Practical	Data interpretation skills

Determining blood group and performing cross matching and comptability tests	S2	BMS BI 1-1	Practical	Data interpretation skills
Preparing and examining blood films and assessing hemoglobin value in a blood sample	S2	BMS BI 1-1	Practical	Data interpretation skills
Obtaining and handling a blood sample for culture	S1	BMS PP 1-1	Practical	Data interpretation skills
Performing and interpreting basic respiratory function tests.	S2	BMS RE 1-1	Practical	Data interpretation skills