Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Accreditation Department

Academic Program and Course Description Guide

2024

Introduction:

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.

Concepts and terminology:

Academic Program Description: The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

Program Mission: Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

Program Objectives: They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

Teaching and learning strategies: They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

Academic Program Description Form

University Name: **Tikrit**

Faculty/Institute: **Medicine**

Scientific Department: **Surgery**

Academic or Professional Program Name: **Problem–based Integrated Curriculum**

Final Certificate Name: **Bachelor of Medicine and Bachelor of Surgery**

Academic System: **Yearly**

Description Preparation Date: **5/10/2023**

File Completion Date: ٢٠٢٤/٠٣/٢٤

Signature: Signature:

Head of Department Name: Scientific Associate Name:

Ahmed Salim Khazaal   **Hashim A**.

Date: Date:

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date:

Signature:

Approval of the Dean

1. Program Vision

The vision of the Surgery Department at the College of Medicine, University of Tikrit, is to achieve academic and research excellence in the field of surgery. This involves developing advanced educational programs that encompass practical and theoretical training using the latest medical methods and technologies. The college aims to graduate a generation of distinguished surgeons committed to the highest standards of medical ethics and professionalism. Furthermore, it seeks to serve the local community and contribute to medical and health advancement at both the national and regional levels.

2. Program Mission

The department aims to provide undergraduate students with a comprehensive understanding of surgical principles, techniques, and patient care. This includes didactic lectures, hands-on surgical skills training, and clinical rotations and to equip undergraduate students with the knowledge, skills, and experiences necessary to excel in the field of surgery and make meaningful contributions to patient care and medical research.

3. Program Objectives

1. **Foundational Knowledge:** To impart a solid understanding of basic surgical principles, including anatomy, physiology, pathology, and pharmacology relevant to surgical practice.
2. **Clinical Skills:** Develop proficiency in clinical skills such as history-taking, physical examination, and diagnosis related to surgical conditions.
3. **Surgical Techniques:** Introduce students to a range of surgical techniques, both traditional and modern, and provide hands-on experience where possible.

4. **Patient Care**: Emphasize compassionate and ethical patient care, including preoperative evaluation, perioperative management, and postoperative care.

5. **Interdisciplinary Collaboration**: Foster collaboration with other healthcare professionals, including anesthesiologists, nurses, and allied health personnel, to understand the multidisciplinary nature of surgical practice.

6. **Critical Thinking and Problem-Solving**: Cultivate critical thinking skills to analyze surgical cases, evaluate treatment options, and make informed clinical decisions.

7. **Professionalism and Ethics**: Instill professional values, ethical conduct, and awareness of legal issues pertinent to surgical practice.

8. **Communication Skills**: Enhance communication skills for effective interaction with patients, families, and colleagues, as well as for documentation and presentation of cases.

9. **Research and Evidence-Based Practice**: Promote an understanding of research methodologies and evidence-based practice in surgery, encouraging students to critically appraise literature and contribute to advancing surgical knowledge.

10. **Life-long Learning**: Encourage a commitment to continuous learning and professional development to keep abreast of advancements in surgical science and technology throughout their careers.

By aligning with these objectives, the academic program aims to produce well-rounded, competent, and ethical future surgeons equipped to meet the challenges of modern healthcare delivery.

4. **Program Accreditation**

Under processing …

5. **Other external influences**

Non

6. **Program Structure**

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	١٠	٩٠		Basic
College Requirements	10	٩٠		Basic
Department Requirements	10	٩٠		Basic
Summer Training	Yes			
Other				

* This can include notes whether the course is basic or optional.

7. **Program Description**

Year/Level	Course Code	Course Name	Credit Hours	
			theoretical	practical
3rd Year	GS0360	Basic Surgery	٢٤	
4th Year	GS0460	General Surgery	١٦	٨٠
5th Year	An0560	Anesthesia	٨	
	Ur0560	Urology	١٥	٥٢
	Ps0560	Plastic	٧	٢٠
	En0560	ENT	١٥	٧٢
	Or0560	Orthopedic	١٥	٧٢

	Rd0560	Radiology	١٥	٧٢
	Op0560	Ophthalmology	١٥	٧٢
6ᵗʰ Year	GS660	General Surgery		٣٦٠

8. Expected learning outcomes of the program

Knowledge

Students are expected to gain a thorough understanding of the human anatomy and physiological processes, with a special focus on those relevant to surgical practices. They should be able to:

- Identify and describe the structure and function of all major body systems, with detailed knowledge of those most commonly involved in surgical procedures.
- Understand the pathophysiology behind common surgical conditions, including the mechanisms of disease development and progression.
- Recognize the indications, contraindications, risks, and benefits of various surgical interventions.
- Stay informed about the latest research, technologies, and advancements in surgical practices.

Skills

The skills component emphasizes practical, hands-on experience in surgical techniques, complemented by the development of critical pre- and post-operative care abilities. Students should acquire:

- Proficiency in basic surgical techniques, such as suturing, knot tying, and incision making, progressing to more complex procedures as their education advances.
- The ability to conduct thorough patient assessments, develop surgical plans, and execute post-operative care with attention to detail.
- Competence in using surgical instruments and technology safely and effectively.
- Skills in emergency surgical care, including quick decision-making and performing life-saving procedures under pressure.
- The capability to work effectively in a surgical team, communicating clearly and contributing to a collaborative environment.

Ethics

The ethical dimension addresses the moral obligations of surgeons towards their patients, colleagues, and society. It encompasses:

- A strong commitment to patient safety, privacy, and dignity, understanding the importance of informed consent and the patient's autonomy in decision-making.

- An awareness of the socio-economic and cultural factors that influence health, access to surgical care, and patient outcomes.
- The ability to navigate ethical dilemmas commonly encountered in surgical practice, such as resource allocation, end-of-life care, and managing conflicts of interest.
- A dedication to lifelong learning, self-assessment, and improvement to ensure the highest standards of patient care are met.
- An understanding of the importance of teamwork, respect, and diversity within the surgical team and the broader healthcare environment.

9. Teaching and Learning Strategies

Theory Lectures, Clinical Section, Seminars, Skills Laboratory, Audio-visual supplementations

10. Evaluation methods

Written exam, Quiz, OSLER, OSCE

11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Professor Assistant Professor Lecturer	MBChB	Board Certified			Staff	

Professional Development

Mentoring new faculty members

At the institution level, it includes orientation programs, centralized mentoring, professional development workshops, and regular evaluation. At the department level, efforts focus on department-specific orientations, mentor pairing with experienced faculty, peer teaching observations, research collaboration opportunities, and ongoing meetings and check-ins.

Professional development of faculty members

1. **Teaching and Learning Strategies:** This involves workshops on innovative teaching methods, peer mentoring, and observation to improve instructional practices.
2. **Assessment of Learning Outcomes:** Training on diverse assessment techniques and utilizing data to refine teaching and course content.
3. **Professional Development:** Support for research activities, grant writing, academic networking, and opportunities for continuing education to foster faculty growth in their respective fields.
4. **Career Progression and Evaluation:** Defined pathways for advancement, with regular performance reviews to guide faculty in their career development.
5. **Technology and Resource Support:** Access to educational technologies and research resources to enhance teaching and scholarly work.
6. **Work-Life Balance and Well-being:** Services aimed at promoting a healthy work-life balance and overall well-being of the faculty.

12. Acceptance Criterion

Central Admission from Ministry of Higher education

13. The most important sources of information about the program

Bailey and Love Short practice of surgery textbook

Shwarts Principles of Surgery textbook

14. Program Development Plan

Key elements of the plan include:

1. **Curriculum Design and Update**: Incorporating the latest surgical techniques and research, with an emphasis on competency-based education.

2. **Practical Skills Development**: Utilizing simulation labs and clinical rotations to provide hands-on experiences under expert supervision.

3. **Use of Technology in Education**: Implementing e-learning platforms and advanced technologies like VR and AR for immersive learning experiences.

4. **Faculty Development**: Offering continuous professional development opportunities and mentorship programs to promote teaching and research excellence.

5. **Student Assessment and Feedback**: Employing competency-based assessments and regular feedback mechanisms to ensure continuous program improvement.

6. **Research and Innovation**: Encouraging research and innovation in surgical techniques and practices among students and faculty.

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
3rd Year	GS0360	Basic Surgery	Basic	X	X	X	X	X	X	X	X	X	X	X	X
4th Year	GS0460	General Surgery	Basic	X	X	X	X	X	X	X	X	X	X	X	X
5th Year	An0560	Anesthesia	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	Ur0560	Urology	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	Ps0560	Plastic	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	En0560	ENT	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	Or0560	Orthopedic	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	Rd0560	Radiology	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	Op0560	Ophthalmology	Basic	X	X	X	X	X	X	X	X	X	X	X	X
6th Year	GS660	General Surgery	Basic	X	X	X	X	X	X	X	X	X	X	X	X

- **Please tick the boxes corresponding to the individual program learning outcomes under evaluation.**

Course Description Form

1. Course Name:
Basic Surgery

2. Course Code:
GS0360

3. Semester / Year: Yearly
3rd Year

4. Description Preparation Date:
14/ 02/ 2024

5. Available Attendance Forms:
On campus

6. Number of Credit Hours (Total) / Number of Units (Total)
24 theory hours

7. Course administrator's name (mention all, if more than one name)
Dr. Waleed Q Rajab
Dr. Ahmed S Khazaal
Dr. Khalid K Hussain
Dr. Hamid H Sarhan
Dr. Basim G Hussain
Dr Jamil I Azawi
Dr Rabah A Hussain
Dr Thair J Muhamed
Dr Awni I Sultan
Dr Khudair M Abid
Dr Muhamed S Qaduri
Dr Qusay S Rasheed
Dr Salih A Alaw
Dr Fawzi S Shihab

8. Course Objectives	
Course Objective	• To provide knowledge of surgical physiology
	• To identify types of surgical infections and best way to deal with them
	• To learn how to assess the severity of the bleeding and how to control it
	• To be familiar with the types of blood products and their indications and complications • develop understanding of the diseases of the vascular and lymphatic system
	• To differentiate between benign and malignant tumors
	• To provide a basic knowledge of minimally invasive surgery

9. Teaching and Learning Strategies

Strategy		Theory lectures			

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
24	24	At the end of this course ; student will be able to: •Assess the hydration stat the patient and fluid and electrolytes disturbances •Diagnosis of surgical infections and proper management •Control bleeding and replacement of blood loss •Diagnosis and manageme of lymphatic disease •The advantages of minim invasive surgery over conventional surgery •Know the phases of metabolic response to trauma and how to deal w each phase	Basic Surgery	Theory Lectures	Written Exam

11. Course Evaluation

Examination: 1st semester 25%
  2nd semester 25%
  Final exam 50%

12. Learning and Teaching Resources

Required textbooks (curricular books any)	Bailey and Love short practice of surgery
Main references (sources)	Shwarts principles of surgery
Recommended books and references (scientific journals, reports…)	Sabiston textbook of surgery
Electronic References, Websites	https://www.ox.ac.uk/admissions/undergraduate/courses/cou -listing/medicine

Course Description Form

1. Course Name:
General Surgery

2. Course Code:
GS0460

3. Semester / Year: Yearly
4th Year

4. Description Preparation Date:
14/ 02/ 2024

5. Available Attendance Forms:
On campus

6. Number of Credit Hours (Total) / Number of Units (Total)
96

7. Course administrator's name (mention all, if more than one name)
Dr. Waleed Q Rajab
Dr. Ahmed S Khazaal
Dr. Khalid K Hussain
Dr. Hamid H Sarhan
Dr. Basim G Hussain
Dr Jamil I Azawi
Dr Rabah A Hussain
Dr Thair J Muhamed
Dr Awni I Sultan
Dr Khudair M Abid
Dr Muhamed S Qaduri
Dr Qusay S Rasheed
Dr Salih A Alaw
Dr Fawzi S Shihab
Dr Abd Alnasir Alkadir

8. Course Objectives

Course Objective	• To provide knowledge of surgical anatomy and physiology of gastrointestinal tr breast, respiratory, cardiovascular and nervous systems and thyroid
	• To identify the common problems that affecting the gastrointestinal,breast, respirat cardiovascular and nervous systems and head and neck.
	• To learn how to assess the patients presented with GIT, breast, respirat cardiovascular and nervous systems and head and neck problems.
	• To be familiar with the abdominal, chest and head and neck examination and elici of specific tests.
	• To differentiate between benign and malignant tumors that affect these systems their staging

9. Teaching and Learning Strategies

Strategy	
	• 3 Blocks per year, of 8 weeks • Two hours lectures per week • Two hours per day for 5 days per week/ clinical sessions

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
8	96	Know the surgical anatom and physiology of gastrointestinal tract, brea respiratory, cardiovascula and nervous systems and thyroid Diagnosis and treatment o common surgical patholog of GIT tract and hepatobiliary, breast, respiratory, cardiovascula and nervous systems and thyroid Perform ideal abdominal, breast, respiratory, cardiovascular and nervou systems and head and nec examination Perform bedside diagnosti and therapeutic procedure Diagnosis of tumors of the systems and their stage an proper management. Identify the causes of neonatal intestinal obstruction	General Surgery	• 3 Blocks per ye of 8 weeks • Two ho lectures per week • Two hours per for 5 days per we clinical sessions	1. Block exar evaluated by 15%: - 5% Writte exam (Essay+MCQ - 10% OSLE exam 2. Quiz and Dailey activities 5% 3. Final exam %xam

11. Course Evaluation

1. Block exam evaluated by 15%:
   - 5% Written exam (Essay+MCQ)
   - 10% OSLER exam
2. Quiz and Dailey activities 5%
3. Final exam 50 %

12. Learning and Teaching Resources

Required textbooks (curricular books any)	Bailey and Love short practice of surgery
Main references (sources)	Shwarts principles of surgery

Recommended books and references (scientific journals, reports…)	Sabiston textbook of surgery
Electronic References, Websites	https://www.ox.ac.uk/admissions/undergraduate/courses/cou -listing/medicine

Course Description Form

13.	Course Name:
General Surgery	

14.	Course Code:
GS0660	

15.	Semester / Year: Yearly
6th Year	

16.	Description Preparation Date:
14/ 02/ 2024	

17.Available Attendance Forms:
On campus

18.Number of Credit Hours (Total) / Number of Units (Total)
360

19.	Course administrator's name (mention all, if more than one name)
Dr. Waleed Q Rajab	
Dr. Ahmed S Khazaal	
Dr. Khalid K Hussain	
Dr. Hamid H Sarhan	
Dr. Basim G Hussain	
Dr Jamil I Azawi	
Dr Rabah A Hussain	
Dr Thair J Muhamed	
Dr Awni I Sultan	
Dr Khudair M Abid	
Dr Muhamed S Qaduri	
Dr Qusay S Rasheed	
Dr Salih A Alaw	
Dr Fawzi S Shihab	
Dr Abd Alnasir Alkadir	

20.	Course Objectives
Course Objective	• Take history & examine all of the body systems.
	• Trained in important minor surgical procedures.
	• Describe the communicating skills to deal with the surgical patient.
	• Determine the common emergency problems in surgical practice and management

	• Know the competencies related to surgical practice

21. Teaching and Learning Strategies

Strategy	The class is divided into 4 groups; each group spends 10 weeks training according to schedule, in addition to the interesting short cases which are met with in the w (6hours daily)

22. Course Structure

Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
10	360	1- Obtain and record the relevant history from the patient. 2- Perform general a systemic examination. 3- Clarify emergency surgical conditions. 4- Perform a simple site procedures. 5- Write a safe prescription for common surgical disorders?	General Surgery	The class is divided int groups; each group spends 10 weeks train according to the sched in addition to the interesting short cases which are met with in ward (6hours daily)	Block examination Theory(8marks) consist of MCQ 60% cases and essays 4 Clinical examinatio :OSLER and OSCE (marks) Total 20marks

23. Course Evaluation

1. Block examination: Theory(8marks) consist of MCQ 60% , cases and essays 40%
2. Clinical examination :OSLER and OSCE (12 marks)
3. Total 20marks

24. Learning and Teaching Resources

Required textbooks (curricular books any)	Bailey and Love short practice of surgery
Main references (sources)	Shwarts principles of surgery
Recommended books and references (scientific journals, reports…)	Sabiston textbook of surgery
Electronic References, Websites	https://www.ox.ac.uk/admissions/undergraduate/courses/cou -listing/medicine