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.

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

<u>Program Mission:</u> 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.

نموذج وصف البرنامج الأكاديمي

اسم الجامعة: جامعة تكريت الكلية: الطب القسم العلمي: فرع الجراحة اسم البرنامج الأكاديمي او المهني: منهاج تكاملي اسم الشهادة النهائية: بكالوريوس في الطب والجراحة العامة النظام الدراسي: سنوي تاريخ اعداد الوصف: 2022/10/3 تاريخ ملء الملف: 2024/03/24

التوقيع: اسم رئيس القسم : أ.م.د. التاريخ:

التوقيع: كر اسم المعاون العلمي: أ.م.د.هاشم عبدالستار التاريخ:

عذراء كامل حسين العبيدى

in the second دقق الملف من قبل شعبة ضمان الجودة والأداء الجامعي 3 اسم مدير شعبة ضمان الجودة والأداء الجامعى: التاريخ 10 التوقيع



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 historytaking, 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 wellrounded, 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 Struc	ture			
Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	10	90		Basic
College Requirements	10	90		Basic
Department Requirements	10	90		Basic
Summer Training	Yes			
Other				

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

7. Program D	7. Program Description								
Year/Level	Course Code	Course Name	Credit Hours						
			theoretical	practical					
3 rd Year	GS0360	Basic Surgery	24						
4 th Year	GS0460	General Surgery	16	80					
	An0560	Anesthesia	8						
	Ur0560	Urology	15	52					
	Ps0560	Plastic	7	20					
5 th Year	En0560	ENT	15	72					
	Or0560	Orthopedic	15	72					
	Rd0560	Radiology	15	72					
	Op0560	Ophthalmology	15	72					
6 th Year	GS660	General Surgery		360					

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 postoperative 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	Specializa	ation	Special Requirements (if applicable)	s/Skills)	Number of the teaching staff		
	General	Special			Staff	Lecturer	
Professor	MBChB	Board Certified			Staff		
Assistant Professor							
Lecturer							

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.

			Pro	ogram	Skills	Outl	ine								
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knov	vledge			Skill	5			Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
3 rd Year	GS0360	Basic Surgery	Basic	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х
4 th Year	GS0460	General Surgery	Basic	X	Х	Х	Х	Х	X	Х	Х	X	Х	Х	X
	An0560	Anesthesia	Basic	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Ur0560	Urology	Basic	X	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х
	Ps0560	Plastic	Basic	X	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х
5 th Vear	En0560	ENT	Basic	X	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х
Jicar	Or0560	Orthopedic	Basic	X	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х
	Rd0560	Radiology	Basic	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Op0560	Ophthalmolo gy	Basic	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х
6 th Year	GS660	General Surgery	Basic	X	X	Х	Х	Х	X	Х	Х	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

9

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 managem of lymphatic disease •The advantages of minim invasive surgery over conventional surgery •Know the phases of metabolic response to trauma and how to deal we	Basic Surgery	Theory Lectures	Written Exam
11.Cour	se Evaluat	ion			
Examination 2 nd seme Final example	on: 1 st seme ster 25% m 50%	ester 25%			
12.Learr	ning and T	eaching Resources	.1 1 7		
any)	xtbooks (cu	rricular book: Ba	alley and Lov	e short practice of su	rgery
Main refere	nces (sourc	es) Sł	iwarts princi	ples of surgery	
Recomment references reports)	ded boo (scientific	oks and Sa journals,	abiston textbo	ook of surgery	
Electronic I	References,	Websites ht -li	tps://www.ox.a sting/medicine	c.uk/admissions/underg	graduate/courses/cou

Course Description Form

1. Course Name:
General Surgery
2. Course Code:
GS0460
3. Semester / Year: Yearly
4 th Year
4. Description Preparation Date:
14/02/2024
10

ailable A	ttendance Forms:			
campus				
mber of (Credit Hours (Total) /]	Number of	f Units (Total)	
urse adı	ministrator's name (r	nention a	Il if more than one i	name)
UISE aui		nemion a		name)
S Khazaa	1			
K Hussain	l			
H Sarhan	L			
<u>G Hussain</u>				
Azawi				
A Hussain				
Muhamed				
Sultan				
r M Abid				
ed S Qadu	ıri			
Rasheed				
Alaw				
Shihab				
asir Alka	dir			
arse Obje	ectives			
	 To provide knowledge breast, respiratory, cardi To identify the common cardiovascular and nerve To learn how to ass cardiovascular and nerve To be familiar with the of specific tests. To differentiate between staging 	a problems the ous systems a ess the path ous systems a abdominal, c	d nervous systems and thyra at affecting the gastrointest and head and neck. ients presented with GIT and head and neck problems thest and head and neck exa- nalignant tumors that affect	these systems and the
ching an	d Learning Strategies			
	 3 Blocks per Two hours le Two hours p 	year, of 8 we ectures per w er day for 5 o	eeks veek days per week/ clinical se	ssions
se Struct	ure Demoined Learning	TT	T	E
Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
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	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 exarevaluated by 15%:-5% Writteexam (Essay+MCQ)-10% OSLEexam2.Quiz andDailey activities 5%
	ailable A campus mber of 0 urse adu l Q Rajab S Khazaa K Hussain G Hussain A Sarhan G Hussain A Hussain Muhamed Sultan r M Abid ed S Qadu S Rasheed Alaw Shihab nasir Alkac urse Obje ective ective aching an se Struct Hours	ailable Attendance Forms: campus mber of Credit Hours (Total) / 1 urse administrator's name (r 1 Q Rajab S Khazaal K Hussain K H Sarhan G G Hussain A Azawi A A Hussain Muhamed Sultan Muhamed Sultan G r M Abid G ed S Qaduri G S Rasheed Alaw Shihab G hasir Alkadir G urse Objectives To provide knowledge breast, respiratory, cardit To identify the common cardiovascular and nervo To learn how to ass cardiovascular and nervo To learn how to ass cardiovascular and nervo To be familiar with the of specific tests. To offferentiate between staging S Blocks per aching and Learning Strategies 3 Blocks per Staging S Blocks per Two hours learning outcomes Two hours learning outcomes 96 Know the surgical anatom and physiology of gastrointestinal tract, brearrespiratory, cardiovasculares and thyroid biagnosis and treatment or common surgica	ailable Attendance Forms: campus mber of Credit Hours (Total) / Number of urse administrator's name (mention a l Q Rajab S Khazaal K Hussain H Sarhan G Hussain Ataawi A Hussain Muhamed Sultan r M Abid ed S Qaduri Rasheed Alaw Shihab asir Alkadir urse Objectives ective • To provide knowledge of surgical a breast, respiratory, cardiovascular and • To identify the common problems th cardiovascular and nervous systems a • To be familiar with the abdominal, c of specific tests. • To hours per day for 5 se Structure Hours Required Learning Outcomes • Two hours per day for 5 Sugery • Two hours per day for 5 • Two hours per day	ailable Attendance Forms: campus mber of Credit Hours (Total) / Number of Units (Total) urse administrator's name (mention all, if more than one i 10 Rajab S Khazaal K Hussain H Sarhan G Hussain Muhamed Sultan r M Abid ed S Qaduri Rasheed Alaw Shihab asir Alkadir urse Objectives ective • To provide knowledge of surgical anatomy and physiology of breast, respiratory, cardiovascular and nervous systems and head and neck. • To learn how to assess the patients presented with GII cardiovascular and nervous systems and head and neck. • To learn how to assess the patients presented with GII cardiovascular and nervous systems and head and neck exi of specific tests. • To be familiar with the abdominal, chest and head and neck exis of specific tests. • To be familiar with the abdominal, chest and head and neck exis of specific tests. • To be familiar with the abdominal, chest and head and neck exis of specific tests. • To be familiar with the abdominal, chest and head and neck exis of specific tests. • To be familiar with the abdominal, chest and head and neck exis of specific tests. • To be familiar with the abdominal, chest and head and neck exis of specific tests. • To be familiar with the abdominal, chest and head and neck exis of specific tests. • To hours per day for 5 days per week/ clinical se se Structure Hours Patient Strategies • 3 Blocks per year, of 8 weeks • Two hours per day for 5 days per week/ clinical se se Structure Patient Strategies • 3 Blocks per year of 8 weeks • Two hours per day for 5 days per week/ clinical se • Two hours per day for 5 days per week • Two hours per for 5 days per week

respiratory, card	liovascula
and nervous syst	tems and
thyroid	
Perform ideal ab	dominal,
breast, respirator	ry,
cardiovascular an	nd nervoi
systems and head	d and nec
examination	
Perform bedside	diagnosti
and therapeutic p	procedure
Diagnosis of tum	lors of the
systems and the	ir stage an
Identify the cause	ient.
neonatal intestin	
obstruction	
11.Course Evaluation	
1 Block exam evaluated by 15%	,. ,
- 5% Written evan (Essay+)	MCO)
1006 OSLED over	Meg
- 10% OSLER exam	
2. Quiz and Dalley activities 5%	
3. Final exam 50 %	
12.Learning and Teaching Reso	urces
Required textbooks (curricular books	Bailey and Love short practice of surgery
any)	
Main references (sources)	Shwarts principles of surgery
Recommended books and	Sabiston textbook of surgery
references (scientific journals,	
reports)	
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
6 th 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

r							
Dr. Khalid I	KHus	sain					
Dr. Hamid I	<u>H Sarł</u>	nan					
Dr. Basim C	G Huss	ain					
Dr Jamil I A	zawi						
Dr Rabah A	Huss	ain					
Dr Thair J N	<u>/luhan</u>	ned					
Dr Awni I S	ultan						
Dr Khudair	M Ab	id					
Dr Muhame	$\frac{2d}{D}$	aduri	l				
Dr Qusay S	Rashe	eed					
Dr Salin A A		1.					
Dr Fawzi S	Snina	D 111:-	-				
	asir A						
20.Cot	irse C	Djec	Take bistors	. 0	all of the hode		
Course Obje	ective	•	Take history	/ & examine	all of the body	/ systems.	
		•	Describe the	e communica	ating skills to d	leal with the surgical patie	ent.
		•	Determine t	he common	emergency pro	blems in surgical practice	and management.
		•	Know the co	ompetencies	related to surg	ical practice	č
21.Tea	ching	g and	Learning S	strategies			
Strategy		The	e class is divid	ed into 4 gr	oups; each gro	oup spends 10 weeks tra	ining according to
		sch	edule, in add	ition to the	e interesting s	short cases which are n	net with in the w
	~	(6h	ours daily)				
22. Cours	se Str	uctui	e				
Week	Hou	rs	Required L	earning	Unit or	Learning method	Evaluation
	Outcomes						
			Outcomes		subject		method
10		260	1- Obtai	in and record	subject name		method
10		360	1- Obtai	in and record	subject name		method
10		360	1- Obtai the relevant h patient.	in and record listory from t	subject name	The class is divided int	method Block examination
10		360	1- Obtai the relevant h patient. 2- Perfo	in and record listory from t orm general a	name	The class is divided int groups; each group	method Block examination Theory(8marks)
10		360	1- Obtai the relevant h patient. 2- Perfo systemic exan 3- Clarif	in and record listory from t orm general a nination. fy emergency	subject name	The class is divided int groups; each group spends 10 weeks traini according to the sched	Block examination Theory(8marks) consist of MCQ 60% cases and essays 4
10		360	1-Obtaithe relevant hpatient.2-Perfosystemic exam3-Clarifsurgical conditional	in and record listory from t orm general a nination. fy emergency itions.	General Surgery	The class is divided int groups; each group spends 10 weeks traini according to the sched in addition to the	method Block examination Theory(8marks) consist of MCQ 60% cases and essays 4 Clinical examinatio
10		360	1-Obtaithe relevant hpatient.2-2-Perfosystemic exam3-Clarifsurgical condi4-Perfo	in and record listory from to orm general a nination. fy emergency itions. orm a simple	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	method Block examination Theory(8marks) consist of MCQ 60% cases and essays 40 Clinical examinatio :OSLER and OSCE (
10		360	1-Obtaithe relevant hpatient.2-Perfosystemic exam3-Clarifsurgical condit4-Perfosite procedure5-Write	in and record istory from t orm general a nination. fy emergency itions. orm a simple es.	General Surgery	The class is divided int groups; each group spends 10 weeks traini according to the sched in addition to the interesting short cases which are met with in t	method Block examination Theory(8marks) consist of MCQ 60% cases and essays 40 Clinical examinatio :OSLER and OSCE (marks)
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