

Program description / General Surgery Department

Program Description				
Year/Level	Course Code	Course Name	Credit Hours	
			theoretical	practical
2023/2024-	GSRGen-32	General surgery	3	2
2023/2024-	GSRGPbl-32	General Surgery	3	2

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	
3 rd	SRGGen-32	Surgery & PBL	Basic	✓	✓	✓	✓									
	SRGGen-3C	General Surgery	Basic					✓	✓							
4 th	SRGGit-41	Gastroenterology	Basic	✓	✓	✓	✓	✓	✓							
	SRGUro-42	Urology	Basic	✓	✓	✓	✓	✓	✓							
	SRGGen-4C	General surgery	Basic					✓	✓	✓	✓					
	MEDResp-41	Respiratory Medicine	basic	✓	✓	✓	✓	✓	✓	✓		✓	✓			
	MEDCar-41	Cardiology	basic	✓	✓	✓	✓	✓	✓	✓		✓	✓			
	SRGGit-41	Gastrointestinal Surgery	basic	✓	✓	✓	✓	✓	✓	✓		✓	✓			
5 th	SRGOrt-51	Orthopedics	Basic	✓	✓	✓	✓	✓	✓							
	SRGEnt-51	ENT	Basic	✓	✓	✓	✓	✓	✓							
	SRGOpt-52	Ophthalmology	Basic	✓	✓	✓	✓	✓	✓							
	SRGRad-52	Radiology	Basic	✓	✓	✓	✓	✓	✓							
	SRGEm-52	Surgical emergencies	Basic	✓	✓	✓	✓	✓	✓							
	SRGSub-52	Surgical Emergency	basic	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		
	SRGEnt-5C	Clinical ENT	Basic						✓	✓	✓	✓	✓	✓	✓	✓
	SRGOrt-5C	Clinical Orthopedics	Basic						✓	✓	✓	✓	✓	✓	✓	✓
	SRGOpt-5C	Clinical Ophthalmology	Basic						✓	✓	✓	✓	✓	✓	✓	
	SRGRad-5C	Clinical Radiology	Basic						✓	✓	✓	✓	✓	✓	✓	
	SRGPla-5C	Plastic surgery	Basic						✓	✓	✓	✓	✓	✓	✓	
6 th		Surgery	Basic						✓	✓	✓	✓	✓	✓	✓	
	SRGSrg-	Surgery	basic	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		

6C															
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Course Description Form

1. Course Name: cardiothoracic and vascular surgery	
2. Course Code: MEDResp-41/MEDCar-41/SRGGit-41/SRGSub-52/SRGSrg-6C	
3. Semester / Year: 1 st semester, 4 th year; 2 nd semester, 5 th year	
4. Description Preparation Date: March 21, 2024	
5. Available Attendance Forms: physical attendance	
6. Number of Credit Hours (Total) / Number of Units (Total)	
2 / 24	
7. Course administrator's name (mention all, if more than one name)	
Name: Yaser Aamer Eisa	
Email: yaseraamer@nahrainuniv.edu.iq	
8. Course Objectives	
Course Objectives	<p>1-to enable the student to acquire knowledge of the pathophysiology of the common important diseases of the cardiothoracic and vascular systems.</p> <p>2-To enable the student to know the symptoms and signs of the common</p>

	<p>cardiothoracic and vascular diseases and to appreciate the presentation of them</p> <p>3–To enable the student to be familiar with the diagnostic tools used to reach diagnosis</p> <p>4–To help the student formulate a safe treatment plan</p> <p>5–To have good knowledge of the emergency cardiothoracic and vascular conditions and how to deal with them</p> <p>6–To have knowledge of the groups of drugs used in cardiothoracic and vascular diseases.</p> <ul style="list-style-type: none"> • •
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9. Teaching and Learning Strategies

Strategy	The teaching is based on the lecture system which is given as power point slides, with interaction with the students.
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		1-Trachea and forging box 2-surgical management of bronchiectasis.	lecture	Classroom discussion

2	2		1-surgical aspect of TB 2-Pleural diseases.	lecture	Classroom discussion
3	2		1-pulmonary cancer 2-lung transplant	lecture	Pop-up quizzes
4	2		1-Introduction to heart surgery 2-Surgery for acquired heart diseases	lecture	Classroom discussion
5	2		1-Surgery for congenital heart diseases 2-Chronic peripheral vascular disease	lecture	Classroom discussion a quizzes
6	2		1-Diseases of aorta 2-Heart transplant	lecture	Classroom discussion

7	2		1-Esophagus1: Oesophagitis, Dysphagia, Achalasia, Reflux, gastro esophageal reflux disease (GERD), Hiatus hernia 2-Esophagus2: Congenita anomaly, foreign body (F.B.), Tumors, Surgical aspect of Achalas Reflux, Hiatus Hernia	lecture	Classroom discussion a quizzes
8	2		1-vascular trauma 2-thoracic trauma	lecture	Classroom discussion a homework assignment
9	2		1-venous disorders 2-abdominal aortic aneurysm	lecture	quizzes

11. Course Evaluation

Evaluation methods include the following:
 Quizzes 2 out of 100 degrees
 Homework tasks 2 out of 100
 Mid term exam 26 out of 100
 Final exam 70 degrees

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Bailey and Love"s textbook of surgery Short Practice of Surgery by Hamilton Baiely
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	<p>Schwartz Principles and Practice of Surgery</p> <p>Physical signs in clinical surgery by Hamilton Bailey</p> <p>Demonstration of physical signs by Norman N Brows</p>
Main references (sources)	<p>Bailey and Love"s textbook of surgery</p> <p>Short Practice of Surgery by Hamilton Baiely</p> <p>Schwartz Principles and Practice of Surgery</p> <p>Physical signs in clinical surgery by Hamilton Bailey</p> <p>Demonstration of physical signs by Norman N Brows</p>
Recommended books and references (scientific journals, reports...)	<p>Bailey and Love"s textbook of surgery</p> <p>Short Practice of Surgery by Hamilton Baiely</p> <p>Schwartz Principles and Practice of Surgery</p> <p>Physical signs in clinical surgery by Hamilton Bailey</p> <p>Demonstration of physical signs by Norman N Brows</p>
Electronic References, Websites	

Course Description Form

1. Course Name: ENT
2. Course Code: SRGEnt-51
3. Semester / Year: 1 st Semester / 5 th year
4. Description Preparation Date:

5. Available Attendance Forms: Physical					
6. Number of Credit Hours (Total) / Number of Units (Total): 30/ 1.5					
7. Course administrator's name (mention all, if more than one name)					
Name: 1. Asst.prof Jaafar M. Kadhim (FICMS-ENT) 2. Lecturer Samah Abbas Hammadi (CAB-ORL& HNS) 3. Lecturer Osama Salim Hasan (FICMS-ENT) Email: 1. j_m_k65@nahrainuniv.edu.iq 2. sam82abbas@nahrainuniv.edu.iq 3. usama_salim2010@nahrainuniv.edu.iq					
8. Course Objectives					
Course Objectives		At the end of the course the learners will be able to: 1. Recognize, and manage emergency, and common conditions in ENT. 2. Recognize conditions requiring referral for an expert after stabilizing the condition. 3. Stimulate interest in the major disciplines and subspecialities of otolaryngology. 4. Stimulate interest in academic research in the field of otolaryngology.			
9. Teaching and Learning Strategies					
Strategy		Active learning/ instruction/ problem solving			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

1	2	1. Recall of etiology, presentation, risk factors and complications. 2. Recognize the critical steps in management.	Nasal trauma/epistaxis	Lecture/Reading course material	Strategic questioning
2	2	1. Correlate anatomy with pathology. 2. Predict examination findings according to anatomical site of involvement.	Anatomy of physiology pharynx/larynx	Lecture/Reading course material/assignment	Reviewing assignments strategic questioning
3	2	1. Recall causes of diseases. 2. Predict clinical features, complications 3. Discuss management outlines	Otalgia (otitis externa/AOM)	Traditional lecture/Reading course material	Quiz
4	2	1. Discuss clinical features. 2. Discuss treatment options.	Allergic rhinitis	Lectures / course material	Strategic questioning
5 & 6	Mid-term exams				
7	2	1. Recognize the clinical features. 2. Identify complications 3. Recall treatment options 4. Identify indications for surgical intervention	Sinusitis	Traditional lecture/reading course material	Assignment
8	2	1. Identify clinical features 2. Use CENTOR score to decide on prescribing AB 3. Identify features of serious conditions presenting as tonsillitis/ pharyngitis. 4. Identify indications for surgery 5. Discuss management of post operative complications.	Pharyngitis / tonsillitis/ the tonsil & adenoid	Traditional lecture/reading course material	Quiz
9	2	1. Correlate anatomical and pathological changes with the clinical features	Laryngitis/dysphonia	Traditional lecture/course	Strategic questioning

		2. Localize lesions depending on clinical clues 3. Put a treatment plan		material	
10	2	1. Correlate anatomical and pathological changes with the clinical features 2. Localize lesions depending on clinical clues 3. Discuss treatment options 4. Recall aspects of tracheostomy care	Stridor/ CA pharynx	Traditional lecture/ course material	Strategic questioning
11	2	1. Identify the type of nasal mass depending on clinical clues. 2. Recognize features of malignancy 3. Recall treatment options. 4. Recognize features of OME 5. Identify indications for surgery 6. Investigate causes of OME	Nasal masses/ OME	Traditional lectures/ course material	Assignment
12	2	1. Recognize features of COM/ inner ear diseases 2. Identify features of complications 3. Discuss treatment modalities. 4. Put a differential diagnosis depending on clinical features.	Chronic otitis media/ Inner ear diseases	Traditional lecture/ course material	Quiz
13	2	—	Miscellaneous	Traditional lecture	Strategic questioning

4. Course Evaluation

Out of 100, 26 marks are allocated to the mid-term exam, another 4 degrees to the tasks assigned to the student such as daily preparation, daily oral, quizzes, reports etc.

The final examination is 70% of the total course weight.

Final Exam: (70%) consists of:

- multiple-choice questions with single best answer (40 items- 40 marks)
- Essay Questions (5 cases-30 marks)

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.

Students failing to attain the 50% cut-off mark are required to re-sit for a second trial examination. Failing the second trial entails retaking the course.

5. Learning and Teaching Resources

Required textbooks (curricular books, if any)	—
Main references (sources)	
Recommended books and references (scientific journals, reports...)	1. Bailey and Love's textbook of surgery 2. Scott brown otorhinolaryngology 3. Logan turner disease of nose throat and ear.
Electronic References, Websites	—

Course Description Form

1. Course Name: GIT
2. Course Code: SRGit-41

3. Semester / Year: 1 st semester , 4 th year	
4. Description Preparation Date:21 st , Feb. 2024	
5. Available Attendance Forms: physical attendance	
6. Number of Credit Hours (Total) / Number of Units (Total)	
3 Hours per week for 15 weeks ... Total 45 Hours	
7. Course administrator's name (mention all, if more than one name)	
Name: TAQI SAADOON ATIYAH	
Email: taqi.atyia@nahrainuniv.edu.iq	
8. Course Objectives	
Course Objectives	<p>1-To enable the student to gain a good level of knowledge of the basic and standard anatomy, pathophysiology and management of gastrointestinal & liver diseases and to familiarize the student with the more sophisticated and specific updates that are found in more specialized units</p> <p>2-To enable the student to understand the differential diagnosis of gastrointestinal & liver diseases</p> <p>3-To have a good knowledge of the basic and emergency radiology of day to day surgical and medical cases</p> <p>4-To develop and strengthen the concept of safety in clinical practice, including the safe interpretation of the clinical picture of the patient's complaints.</p>
9. Teaching and Learning Strategies	
Strategy	The teaching is based on lecture system. The lectures are

given in power point slide format in the halls of the college during the lecture, questions and discussions are encouraged to enhance the learning experience of the student. Assignments are allocated to the students in certain lectures with personalized feedback

10. Course Structure

Week	Hours	Unit or subject name	Learning method	Evaluation method
1	1	Introduction	Lecture	Classroom discussion and question
1	2	Introduction. Definition of GIT Curriculum. References. Aims of the study. Blueprints Assessment, Quizzes, Midterm Examination (Time Limit) & Final examination.	Lecture	Classroom discussion and question
2	2	Congenital anomaly of the gastrointestinal tract. Intestinal atresia. Anus & rectum. Hirschsprung's disease, Imperforated anus	Lecture	Pop-up quizzes and classroom discussion
2	2	Esophagus. Oesophagitis, Dysphagia, Achalasia, Reflux, GERD, Hiatus hernia.	Lecture	Classroom discussions
3	2	Surgical aspects of the Esophagus. Congenital anomaly, F.B., Tumors, Surgical aspect of Achalasia, Reflux, Hiatus Hernia	Lecture	Classroom discussion and questions
3	2	Stomach & Duodenum. Secretory tests. Radiology Endoscopy, Gastritis, Peptic ulcers.	Lecture	Classroom discussion and questions Pop-up quiz

4	2	Surgical aspects of the Stomach Duodenum. Acute dilatation, Surgical treatment of peptic ulcer. Tumors postoperative surgery complications.	Lecture	Classroom discussion and questions Pop-up quiz
5	1	Gastro-intestinal bleeding & its treatment	Lecture	Classroom discussion and questions, assignment
6 and 7	5	Liver. Investigations, Jaundice, Hepatitis Cirrhosis, Portal hypertension	Lecture	Classroom discussion assignment
8	1	Liver Abscess, Cysts including Hydatid cyst, Tumors	Lecture	Classroom discussion and questions, assignment
9	2	Gall bladder & Biliary tree. Investigations Congenital anomaly, Injuries, stones Cholecystitis, Obstructive jaundice Tumors.	Lecture	Classroom discussion, pop-up quiz
10	1	Laparoscopy and minimum invasive surgery	Lecture	Classroom discussion, pop-up quiz
10	2	Pancreas. Pancreatitis acute & chronic cysts, Tumors Exocrine & Endocrine	Lecture	Classroom discussion and questions
11	1	Mesentery & peritoneum. Peritonitis, Cysts Subphrenic abscess	Lecture	Classroom discussion and questions
11	2	Inflammatory bowel diseases, Irritable bowel and its surgical aspects	Lecture	Classroom discussion and questions
12	1	Appendix. Appendicitis, Appendicular Mass, Tumors	Lecture	Classroom discussion and questions
12	2	Intestinal obstruction. Types, paralytic ileus	Lecture	Classroom

		management.		discussion and questions
12	2	Small & Large bowel. Mal-absorpti Diarrhea, Coeliac disease, Tropical spru,	Lecture	Classroom discussion and questions
13	2	Intestinal Lymphoma, Inflammatory bo diseases, Irritable bowel.	Lecture	Classroom discussion and questions
13	1	Small intestinal fistula, mass, tumors.	Lecture	Classroom discussion and questions
13	1	Spleen. Indications for surgery. Surgi aspect of portal hypertension	Lecture	Classroom discussion and questions
14	3	Colon and rectum. Benign & Malign tumors Colon, rectum & anus. Rec prolaps, Injury, Pilonidal sinus,	Lecture	Classroom discussion and questions
14	1	Anal fissure, stricture, perianal absce and hemorrhoid.	Lecture	Classroom discussion and questions
15	1	Obesity	Lecture	Classroom discussion and questions
15	2	Oral cavity, tumors, tongue diseases tumors	Lecture	Classroom discussion and questions

11. Course Evaluation

Evaluation methods include the following:

Quizzes: 2 out of 100 (multiple quizzes are performed and the average is taken)

Mid-semester exam: 28 out of 100

Final semester exam: 70 out of 100

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Baiely's & Love's Short Practice of Surgery Davidson's Principles of Medicine
Main references (sources)	Baiely's & Love's Short Practice of Surgery Davidson's Principles of Medicine

Course Description Form

11. Course Name: Radiology
12. Course Code: SRGRad-52
13. Semester / Year: 2 nd semester , 5 th year
14. Description Preparation Date: 21 st , Feb. 2024
15. Available Attendance Forms: physical attendance
16. Number of Credit Hours (Total) / Number of Units (Total)
2/30
17. Course administrator's name (mention all, if more than one name)
Name: Noor Kathem Nee'ma Al-Waely Email: noor83kadhem@nahrainuniv.edu.iq

18. Course Objectives					
Course Objectives	<p>1-To enable the student to gain a good level of knowledge of the basic and standard radiological investigations and to familiarize the student with the more sophisticated and specific investigations that are found in more specialized units</p> <p>2-To enable the student to choose a meaningful imaging investigation or investigation plan for the clinical problem, and to develop strategies for imaging various clinical conditions.</p> <p>3-To have a good knowledge of the basic and emergency radiology of day to day surgical and medical cases</p> <p>4-To develop and strengthen the concept of safety in clinical practice, including the safe interpretation of imaging modalities to make sure not to risk missing life-threatening diagnosis, the safe choice of investigation that does not delay patient management, safe use of radiation in situations where radiation protection is paramount (introduction of the principle of ALARA, and safe use of contrast media)</p> <p style="text-align: center;">•</p>				
19. Teaching and Learning Strategies					
Strategy	<p style="text-align: center;">The teaching is based on lecture system. The lectures are given in power point slide format in the halls of the college during the lecture, questions and discussions are encouraged to enhance the learning experience of the student.</p> <p style="text-align: center;">Assignments are allocated to the students in certain lectures with personalized feed back</p>				
20. Course Structure					
Wee	Ho	Requi red	Unit or	Lear ning	Evaluation method

k	urs	Learn ing Outc omes	subje ct name	meth od	
1	1		Introdu on	Lectur	Classroom discussion and question
1 and	3		Chest imaging	Lectur	Classroom discussion and question
3	2		Cardiac imaging	Lectur	Pop-up quizzes and classroom discussion
4	1		Abdomi emerg es	Lectur	Classroom discussions
4	1		Periton and retrope oneal disease	Lectur	Classroom discussion and questions
5	2		Gastroi stinal imaging	Lectur	Classroom discussion and questions Pop-up quiz
6	2		Hepato ary system imaging	Lectur	Classroom discussion and questions Pop-up quiz
7	2		Urinary tract imaging	Lectur	Classroom discussion and questions, assignment
8 and	3		Bone imaging	Lectur	Classroom discussion and questions, assignment

9 and 10	2		Women imaging	Lectur	Classroom discussion and questions ,assignment
10 and 11	2		Spine imaging	Lectur	Classroom discussion , pop-up quiz
11 and 12	2		CNS imaging	Lectur	Classroom discussion , pop-up quiz
12	1		Joint disease radiolog	Lectur	Classroom discussion and questions
13	2		Head ar neck radiolog	Lectur	Classroom discussion and questions
14	2		Angiogr hy	Lectur	Classroom discussion and questions
15	2		Interver onal radiolog	Lectur	Classroom discussion and questions

21. Course Evaluation

Evaluation methods include the following:

Quizzes: 5 out of 100 (multiple quizzes are performed and the average is taken)

Mid-semester exam: 25 out of 100

Final semester exam: 70 out of 100

22. Learning and Teaching Resources

Required textbooks (curricular books, if

Rochal A., diagnostic imaging, 7th edition, 2013

any)	
Main references (sources)	Rochal A., diagnostic imaging, 7th edition, 2013
Recommended books and references (scientific journals, reports...)	Michael Y. M. Chen, Basic Radiology, 2nd edition, 2011 Richard F. Daffner, clinical radiology, the essentials, 4th edition, 2014.
Electronic References, Websites	https://radiopaedia.org/

Course Description Form

23.	Course Name: Surgical emergency

24. Course Code: SRGSrg-6C	
25. Semester / Year: 2 nd semester , 5 th year	
26. Description Preparation Date:20 th , march. 2024	
27.Available Attendance Forms: physical attendance	
28.Number of Credit Hours (Total) / Number of Units (Total)	
2/30	
29. Course administrator's name (mention all, if more than one name)	
Name: Ammar Noori Al-Hamdani	
Email: dr.anh1976@nahrainuniv.edu.iq	
30. Course Objectives	
Course Objectives	<ol style="list-style-type: none"> 1. To enable the student to gain a good level of knowledge of the basic and standard surgical investigations and to familiarize the student with the more sophisticated and specific investigations that are found in more specialized units 2. To enable the student to choose a meaningful surgical investigation or investigation plan for the clinical problem, and to develop strategies for managing various clinical conditions. 3. To have a good knowledge of the surgical emergency of day to day surgical and medical cases 4. To develop and strengthen the concept of safety in clinical practice, including the safe interpretation of surgical conditions modalities to make sure not to risk missing life-threatening diagnosis, the safe choice of investigation that does not delay

	patient management.
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31. Teaching and Learning Strategies

Strategy	<p>The teaching is based on lecture system. The lectures are given in power point slide format in the halls of the college during the lecture, questions and discussions are encouraged to enhance the learning experience of the student.</p> <p>Assignments are allocated to the students in certain lectures with personalized feed back</p>
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32. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		ATLS	Lecture	Classroom discussion and question
2	1		Torso trauma	Lecture	Classroom discussion and question
3	1		Small & large bowel injuries	Lecture	Classroom discussion and question
4	1		Genitourinary tract injuries	Lecture	Classroom discussion and question

5	2		<ul style="list-style-type: none"> - Skin graft /flap - Cleft lip and cleft palate 	Lecture	Pop-up quizzes and classroom discussion
6	2		Breast	Lecture	Classroom discussion and questions
7	2		<ul style="list-style-type: none"> - Management of head injuries - Management of spinal injuries 	Lecture	Classroom discussion and questions
8	2		<ul style="list-style-type: none"> - Surgical oncology - Cervical lymph nodes & salivary glands 	Lecture	Classroom discussion and questions
9	2		<ul style="list-style-type: none"> - Clinical approach in vascular trauma - Clinical approach in thoracic trauma 	Lecture	Classroom discussion and questions
10	2		Thyroid disease	Lecture	Classroom discussion and questions
11	1		Lymphatic disease	Lecture	Classroom discussion and questions
12	1		Burn	Lecture	Classroom discussion and questions
13	2		Anaesthesia	Lecture	Classroom discussion and questions
14	3		<ul style="list-style-type: none"> - Venous disease - Aortic aneurysm - Venous ulcer 	Lecture	Classroom discussion and questions
15	1		Pain management	Lecture	Classroom discussion and

					questions
16	1		Pressure sore	Lecture	Classroom discussion and questions

33. Course Evaluation

Evaluation methods include the following:

Quizzes: 5 out of 100 (multiple quizzes are performed and the average is taken)

Mid-semester exam: 25 out of 100

Final semester exam: 70 out of 100

34. Learning and Teaching Resources

Required textbooks (curricular books, if any)	<ul style="list-style-type: none"> - Baiely's & Love's Short Practice of Surgery -Yomans neurosurgery 2023 -Smith textbook of Urology - Morgan & Mikhail's clinical anesthesiology - Toronto Notes2024 -Practical management of pain 5th edition Clinical methods in pain medicine 2nd edition - Rutherford's vascular surgery and endovascular therapy ...10th edition 2023 - Schwartz's principles of surgery...11th edition 2019
Main references (sources)	<ul style="list-style-type: none"> - Baiely's & Love's Short Practice of Surgery -Grabb and Smith textbook of plastic surgery .. 2018
Recommended books and references (scientific journals, reports...)	<ul style="list-style-type: none"> - Medscape journal -European guidelines of urology
Electronic References,	

Websites	