

Course Title: surgical subspecialty knowledge

Course Description: this a syllabus of the surgical lecture of the 5rd year undergraduate ,Thi-Qar medical college students to the principles surgery (knowledge) of surgical subspciality. The course will cover the basics of neurosurgery , cardiothoracic surgery ,pediatric surgery , reconstructive and plastic surgery , trauma surgery and maxillofacial surgery .

Course Duration: 60 hours of theory .

Course learning Units: 9 units .

Main objectives of surgical Department to the 5th stage of undergraduated student:

Provide the students most of important theoretical information's(knowledge) about the some common surgical cases of various surgical subspecialty . Each lecture has a specific objective .

Course General Objectives:

By the end of this course, students should be able to:

1. To familiarize the student with the principles of surgery in its various branches, principles, foundations and rules .
2. The program aims to raise the student's ability to the level of understanding in the field of surgery general and urosurgery.
3. Knowledge of most neurosurgical conditions and cardiothoracic conditions ,pediatric and plastic conditions
4. Knowledge of various type of anesthesia in surgery
5. Knowledge of trauma management

3- Skills objectives of the program

3:1- Teaching the student how to become able to think logically in managing various surgical subspecialty .

3:2- Teaching the student analysis and employing the prescribed curriculum vocabulary.

3:3- Developing the mental and self-ability of the student in general and urosurg.

3:4- Providing the student with communication skills and using modern educational technologies effectively.

Course Specific Objectives :

Explained for each lecture give to students .

Intended Learning Outcomes (ILOs):

Upon completion of this course, students will be able to:

- Explain the basic principles of surgical disease and common disease investigations , lines of treatments of various surgical disease and complications of disease and interventions —Knowledge
- Interpret common surgical conditions and some procedures--- Skill
- Understand safety and behavior measures—Attitude and behavior
- Students should understand the role of surgery in most neurosurgical ,pediatric and cardiothoracic conditions ---- professionalism.
- Student should know type of anesthesia and air ways and insertion of central and peripheral venous lines
- Students should be able to perform examinations appropriately and judiciously.-- ---Skills & attitude and behavior
- Students should be able to identify the surgical problem and the way of treatment .--→ knowledge & skills
- Students should understand the various surgical operations --- professionalism

Teaching strategy (overview):

- Objective – based learning
- Student-centered learning
- Active student interaction

Teaching and Learning Methods:

The course will use the following teaching and learning methods:

- **Theory sessions :**
 - **Lectures:** Knowledge acquisition.
 - **Group discussion** - critical thickening
 - **Semiars of student presentation**
- **Practical sessions:**

- **Site visit-observation:** Skill development and attitude formation. Visiting the surgical department to see each patient in ward & observe several vital signs and complications.
- **Case presentations:** Knowledge acquisition, skill development, and attitude formation
- **Group discussions:** Knowledge acquisition, skill development, and attitude formation
- Power point presentation, slide reviews & physical signs and short case , review of emergency cases & most common surgical cases.
- Other contact with the students (e.g., discussions while interpreting surgical cases) provides information to complete an assessment.

Course Outline:

The course will be divided into the following topics:

Blueprint for 5th year medical student in Thi-Qar college of medicine include:

I) Ninty hours lectures: 90 hr. /week including following topics:

(Surgery Course Blueprint – 5th year)

		ILO	Assessment Method							Total
			Summative				Formative			Weight
			Written	Practical	logbook	Course activities - quizzes and	Quiz	Group discussion	Project homework	(impact X frequency)
Dr.Hayder Meklif Ali MBChB FICMS neurosurgery	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X				X	X		20

	Dr. Hayder Meklif Ali	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		20
	Dr. Hayder Meklif Ali	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		28
	Dr. Hayder Meklif Ali	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		28
	Dr. Hayder Meklif Ali	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		28
	Dr. Hayder Meklif Ali	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		28
	Dr. Hayder Meklif Ali	K1-6,8-12,17,21,22	X	X			X	X		28

		S4,7,10,12-23 AB 1-7,10,11								
	Dr. Hayder Meklif Ali	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		15
nd pain										
	Asst. prof. Dr. Talib Razaq Museher Askar FICMS Anesthesia	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		29
	Dr. Talib Razaq Museher Askar	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		19
	Dr. Talib Razaq Museher Askar	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		19
	Dr. Talib Razaq Museher Askar	K1-6,8- 12,17,21,22 S4,7,10,12-23	X	X			X	X		19

		AB 1-7,10,11								
	Dr. Talib Razaq Museher Askar	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		16
	Dr. Talib Razaq Museher Askar	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		16
	Dr. Talib Razaq Museher Askar	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		14
	Dr. Talib Razaq Museher Askar	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		21
	Dr. Talib Razaq Museher Askar	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		19

	Dr. Talib Razaq Museher Askar	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		19
	Dr. Talib Razaq Museher Askar	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		17
ar										
	Ahmed Abdulameer Daffar MBChB FICMS	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		14
	Dr.Ahmed Abdulameer Daffar	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		20
	Dr.Ahmed Abdulameer Daffar	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		20
	Dr.Ahmed	K1-6,8-	X	X			X	X		16

	Abdulameer Daffar	12,17,21,22 S4,7,10,12-23 AB 1-7,10,11								
	Dr.Ahmed Abdulameer Daffar	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		20
	Dr.Ahmed Abdulameer Daffar	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		25
	Dr.Ahmed Abdulameer Daffar	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		22
	Dr.Osamah Obaid Ibrahim	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		22
	Dr.Osamah Obaid Ibrahim	K1-6,8-12,17,21,22 S4,7,10,12-23	X	X			X	X		14

	Dr.Rabab Abbas Hasan MBCHB FICMS-PRS	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		23
	Dr.Rabab Abbas Hasan MBCHB FICMS-PRS	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		20
	Dr.Rabab Abbas Hasan MBCHB FICMS-PRS	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		18
	Dr.Rabab Abbas Hasan MBCHB FICMS-PRS	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		16
	Dr.Rabab Abbas Hasan MBCHB FICMS-PRS	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		14
	Dr.Rabab Abbas Hasan MBCHB FICMS-PRS	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		14

	Dr.Rabab Abbas Hasan MBCHB FICMS-PRS	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		14
	Dr.Rabab Abbas Hasan MBCHB FICMS-PRS	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		14
	Dr.Rabab Abbas Hasan MBCHB FICMS-PRS	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		14
gerery										
	Dr.Muayad Abdul Khadim Nema MBchb FICM pediatric surgery	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		20
	Dr.Muayad Abdul Khadim Nema MBchb FICM pediatric surgery	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		20
	Dr.Muayad Abdul Khadim Nema MBchb FICM pediatric surgery	K1-6,8- 12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		16

	Dr.Muayad Abdul Khadim Nema MBChb FICM pediatric surgery	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		18
	Dr.Muayad Abdul Khadim Nema MBChb FICM pediatric surgery	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		18
	Dr.Muayad Abdul Khadim Nema MBChb FICM pediatric surgery	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		18
ma										
	Prof Dr. Mohanad Abdulredha	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		24
	Dr.Abdulhadi Alawadi	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		20
	Dr.Abdulhadi Alawadi	K1-6,8-12,17,21,22 S4,7,10,12-23	X	X			X	X		20

		AB 1-7,10,11								
surgery										
	Dr.Ali Kadthim	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		20
	Dr.Ali Kadthim	K1-6,8-12,17,21,22 S4,7,10,12-23 AB 1-7,10,11	X	X			X	X		18

II) 120 hours practical sessions: 8 small groups: 3Hrs/day for each group except thursday/2 weeks and one day for assessment :

Course evaluation form:

The educational objectives were also used to develop a course evaluation form. The form comprises three sections in which students are asked to rate general course characteristics, accomplishment of the general objectives, and usefulness of several learning activities. In addition, students are asked to write comments and suggestions for improvement.

These three formal student evaluations provide documentation on student achievement on almost all of the objectives. Examples from each section are shown in the table below.

TABLE: COURSE EVALUATION FORM (students feedback)

	Very strongly Disagree	Strongly disagree	Disagree	Agree	Strongly agree	Very strongly disagree
In general :						
1-The course objectives were well defined .	1	2	3	4	5	6
2- the course was well organized.	1	2	3	4	5	6
3- the lectures were informative.	1	2	3	4	5	6
4- I saw an adequate number and variety of x rays.	1	2	3	4	5	6

As a result of this course:

5- I have reach a through approach of interpreting x-ray .

1

2

3

4

5

6

6- I can incorporate a radiological findings into a differential diagnosis.

1

2

3

4

5

6

Analysis of results : method to analyze data collected using a **Likert scale**

1. Assign numerical values to each response option on the scale. For example, you could assign 1 to "strongly disagree," 2 to "disagree," 3 to "neutral," 4 to "agree," and 5 to "strongly agree."
2. Calculate the mean score for each statement by summing the numerical values for all responses to that statement and dividing by the number of respondents. This will give you an average score for each statement.
3. Interpret the results by considering the mean scores for each statement. Statements with higher mean scores are more positively rated by respondents, while statements with lower mean scores are less positively rated.

Summary :

This approach has allowed the clerkship to be flexible enough to accommodate varying student abilities and interests while also assuring coverage of core concepts and materials.

Conclusion:

The above curriculum design provides a comprehensive framework for teaching and assessing principles of surgery in an undergraduate medical college. The course includes a balanced mix of theoretical and practical sessions, and the teaching methods and assessment methods. The ILOs, general objectives, and specific objectives are well-defined, which will enable students to achieve a thorough understanding of principles of surgery.

Assessment Methods:

The course will use the following assessment methods:

1. Written exams (short essay questions ,long essay , SBA, MCQ, Cross match) : to assess the students' knowledge and understanding of the theory.
2. Practical exams (long and short case exams) or OSPE : to assess the students' ability to identify common surgical conditions.
3. Formative assessment :

- Quizzes in class after most topics

Grading and Evaluation:

The grading system for the course will be as follows:

- Written midyear exam = 30%
- Activities (teaching file cases=2)
- Formative (quizzes =3 %
- Practical exam = 15 %
- written final exam = 50 %
- Total 100 %
- Pass mark = 50%

Textbooks approved: Short practice of Bailey and Love 2022

Schwartz textbook of surgery 2021

SABISTONE textbook of surgery 18 1.Grabb and Smith's Plastic Surgery (GRABB'S PLASTIC .

TEXTBOOK OF PLASTIC, MAXILLOFACIAL AND RECONSTRUCTIVE SURGERY

GREGORY S. GEORGIAD E NICHOLAS G. GEORGIA

Lecturers :

- 1- Prof Dr. Hayder Meklif Ali CABS -NeuroSurgery- Surgery Department.
- 2- Assist prof Dr. Talib Razaq Museher Askar FIBMS Anesthesia – Surgery Department
- 3- Assist prof Dr.Ahmed Abdulameer Daffar FIBMS Cardiothoracic– Surgery Department
- 4- Dr.Osamah Obaid Ibrahim FIBMS Cardiothoracic - Surgery Department
- 5- Dr.Rabab Abbas Hasan FIBMS-PRS Surgery Department
- 6- Dr.Muayad Abdul Khadim Nema FICM pediatric surgery
- 7- Dr.Abdulhadi Alawadi FIBMS Surgery
- 8- Dr.Ali Kadthim FIBMS Surgery
- 9- Prof Dr. Mohanad Abdulredha FIBMS Surgery – Surgery Department

