

Republic of Yemen

Ministry of Higher Education & Scientific Research

21 SEPTEMBER UNIVERSITY for MEDICALS & APPLIED  
SCIENCES



Faculty of Medicine

Program of Medicine

Bachelor of Medicine and Surgery

**Course Specification of**

**General Surgery Block II**

**Block Code. (A21P522)**

**2022/2023**



T4: This Template is Developed and Approved by CAQA-Yemen, 2023

Prepared by:

**Dr. Mohammad  
Abduulkareem**

Reviewed by:

Dr. -----

Head of the Department:

Dr. -----

Quality Unit:

Dr. -----

Dean

Dr. -----

## I. General Information:

1.	Course Title:	<b>General Surgery Block II</b>				
2.	Block Code:	A21P522				
3.	Credit Hours:	Credit Hours	Theory Contact Hours		Practical Contact Hours	
			Lecture	Tutorial/ Seminar	Lab	Clinical
		8	4	--		12
4.	Level/ Semester at which this Course is offered:	5 <sup>th</sup> Level / 2 <sup>nd</sup> Semester				
5.	Pre –Requisite (if any):	General Surgery Block I				
6.	Co –Requisite (if any):	None				
7.	Program (s) in which the Course is Offered:	Bachelor of Medicine and surgery				
8.	Language of Teaching the Course:	English				
9.	Location of Teaching the Course:	Faculty of Medicine				
10.	Prepared by:	<b>Dr. Mohammd Abduulkareem</b>				
11.	Date and Number of Approval by Council:					

## II. Course Description:

The course is the third course in surgery. Building on the previous courses of surgery, students will have more advanced clinical and problem-solving training and are expected to formulate basic investigations and management plans. Theoretical knowledge will cover paediatric surgery and cardiopulmonary systems disorders through lectures throughout the course.

III. Course Intended Learning Outcomes (CILOs) : Upon successful completion of the course, students will be able to:		Referenced PILOs		
<b>A. Knowledge and Understanding:</b>		<b>I, P or M/A</b>		
a1	Describe the normal structure and function of the human body at molecular, cellular and biochemical, in relation to general surgical disease.	I	A1	Describe the general and basic sciences related to human body structure and functions with emphasis on normal and abnormal conditions.
a2	Identify the etiology, pathogenesis, clinical manifestations, diagnosis differential diagnosis and complications of common surgical disease and important surgical emergencies.	A	A3	Explain the pathological and pathogenesis changes in various diseases, and their etiological triggers including genetic, developmental, infectious, metabolic, endocrinal, autoimmune, neoplastic, traumatic, degenerative and occupational factors.
<b>B. Intellectual Skills:</b>				
b1	Distinguish between physiological and pathological performance of body cells.	I	B1	Compare between normal and abnormal conditions and predict the appropriate treatment or intervention.
b2	Analyze data obtained from medical history, physical examination and para-clinical investigations to reach a final diagnosis and plan the management of common surgical disease and important surgical emergencies.	P	B2	Analyze and interpret the finding from history, clinical examination and investigations to propose a diagnosis and develop a shared management plan for common acute, chronic and urgent physical and mental health presentations.
<b>C. Professional and Practical Skills:</b>				
c1	Perform patient-centered history taking, physical examination and investigations for patient with common surgical conditions and emergency situations.	P	C1	Perform complete clinical examination and precise investigations to reach the final diagnosis.

c2	Prescribe appropriate, safe and affordable drugs for initial treatment of patients with surgical conditions.	A	C2	Prescribe appropriate drugs taking in mind the benefits, side effects, interactions, safety and availability.
c3	Perform common laboratory procedures, investigations, and basic interventions that are necessary in relevant surgical conditions.	A	C3	Carry out routine medical procedure and demonstrate the ability of using common medical tools required for diagnosis and management with highly qualified competency.
<b>D. Transferable Skills:</b>				
d1	Use the information technology and internet resources efficiently for self-learning and gaining up-to-date information in the areas of interest.	P	D1	Communicate with professionals, patients, their families and the community through verbal, written and other non-verbal means.
d2	Act independently or collaboratively as a member of teamwork and communicate effectively with others.	A	D2	Work individually or in a team and develop lifelong learning using up to date technology that help in understanding the diseases and its control and prevention.

**I= Introduced, P=Practiced or M/A= Mastered/Advanced**

**(A) Alignment of Course Intended Learning Outcomes (Knowledge and Understanding) to Teaching Strategies and Assessment Methods:**

	Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
a1	Describe the normal structure and function of the human body at molecular, cellular and biochemical, in relation to general surgical disease.	<ul style="list-style-type: none"> <li>▪ Interactive lectures</li> <li>▪ Discussion</li> <li>▪ Self-learning</li> </ul>	<ul style="list-style-type: none"> <li>▪ Quizzes</li> <li>▪ Written exam</li> <li>▪ final Oral exam</li> </ul>
a2	Identify the etiology, pathogenesis, clinical manifestations, diagnosis	<ul style="list-style-type: none"> <li>▪ Interactive lectures</li> <li>▪ Discussion</li> <li>▪ Self-learning</li> </ul>	<ul style="list-style-type: none"> <li>▪ Quizzes</li> <li>▪ Written exam</li> </ul>

	differential diagnosis and complications of common surgical disease and important surgical emergencies.		
<b>(B) Alignment of Course Intended Learning Outcomes (Intellectual Skills) to Teaching Strategies and Assessment Methods:</b>			
	<b>Course Intended Learning Outcomes</b>	<b>Teaching Strategies</b>	<b>Assessment Strategies</b>
b1	Distinguish between physiological and pathological performance of body cells.	<ul style="list-style-type: none"> <li>▪ Training</li> <li>▪ Discussion</li> <li>▪ Case studies</li> <li>▪ Self-learning</li> <li>▪ Seminars</li> </ul>	<ul style="list-style-type: none"> <li>▪ Written exam</li> <li>▪ Final oral exam</li> <li>▪ OSCE</li> </ul>
b2	Analyze data obtained from medical history, physical examination and para-clinical investigations to reach a final diagnosis and plan the management of common surgical disease and important surgical emergencies.	<ul style="list-style-type: none"> <li>▪ Training</li> <li>▪ Discussion</li> <li>▪ Case studies</li> <li>▪ Self-learning</li> <li>▪ Seminars</li> </ul>	<ul style="list-style-type: none"> <li>▪ Written exam</li> <li>▪ Final oral exam</li> <li>▪ OSCE</li> </ul>
<b>(C) Alignment of Course Intended Learning Outcomes (Professional and Practical Skills) to Teaching Strategies and Assessment Methods:</b>			
	<b>Course Intended Learning Outcomes</b>	<b>Teaching Strategies</b>	<b>Assessment Strategies</b>
c1	Perform patient-centered history taking, physical examination and investigations for patient with common surgical conditions and emergency situations.	<ul style="list-style-type: none"> <li>▪ Clinical session</li> <li>▪ Training</li> <li>▪ Case studies</li> </ul>	<ul style="list-style-type: none"> <li>▪ Final Clinical Exam</li> <li>▪ OSCE</li> <li>▪ Logbook</li> </ul>
c2	Prescribe appropriate, safe and affordable drugs for initial treatment of patients with surgical conditions.	<ul style="list-style-type: none"> <li>▪ Clinical session</li> <li>▪ Training</li> <li>▪ Case studies</li> </ul>	<ul style="list-style-type: none"> <li>▪ Final Clinical Exam</li> <li>▪ OSCE</li> <li>▪ Logbook</li> </ul>
c3	Perform common laboratory procedures, investigations, and basic interventions that are necessary in relevant surgical conditions.	<ul style="list-style-type: none"> <li>▪ Clinical session</li> <li>▪ Training</li> <li>▪ Case studies</li> </ul>	<ul style="list-style-type: none"> <li>▪ Final Clinical Exam</li> <li>▪ OSCE</li> <li>▪ Logbook</li> </ul>

**(D) Alignment of Course Intended Learning Outcomes (Transferable Skills) to Teaching Strategies and Assessment Methods:**

Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
d1 Use the information technology and internet resources efficiently for self-learning and gaining up-to-date information in the areas of interest.	<ul style="list-style-type: none"> <li>▪ Discussion</li> <li>▪ Case Study</li> <li>▪ Self Learning</li> <li>▪ Presentation</li> </ul>	<ul style="list-style-type: none"> <li>▪ Oral Discussion</li> <li>▪ Home Work</li> <li>▪ Tem work</li> </ul>
d2 Act independently or collaboratively as a member of teamwork and communicate effectively with others.	<ul style="list-style-type: none"> <li>▪ Discussion</li> <li>▪ Case Study</li> <li>▪ Self Learning</li> <li>▪ Presentation</li> </ul>	<ul style="list-style-type: none"> <li>▪ Oral Discussion</li> <li>▪ Home Work</li> <li>▪ Tem work</li> </ul>

**IV. Course Contents:**

**A. Theoretical Aspect:**

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	<b>Pediatric surgery I</b>	– Principles of surgery in paediatric patient	1 <sup>st</sup> w	4hrs	a1,b1
2	<b>Pediatric surgery II</b>	– Neck swelling in paediatrics		4hrs	a1,a2,b1, b2
3	<b>Pediatric surgery I II</b>	– congenital gastro-Esophageal anomalies – Diaphragmatic hernia		4hrs	a1,a2,b1, b2
4	<b>Pediatric surgery IV</b>	– Neonatal & infant intestinal obstruction		4hrs	a1,a2,b1, b2
5	<b>Skin and subcutaneous tissue I</b>	– Infection of skin and soft tissue	2 <sup>nd</sup> w	4hrs	a1,a2,b1, b2
6	<b>Skin and subcutaneous tissue II</b>	– Neoplasm of skin and soft tissue		4hrs	a1,a2,b1, b2
7	<b>Venous disorder I</b>	– Varicose vein		4hrs	a1,a2,b1,

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
					b2
8	Venous disorder II	– DVT and pulmonary embolism		4hrs	a1,a2,b1, b2
9	Arterial disorder I	– Investigation of arterial disease	3 <sup>rd</sup> W	4hrs	a1,a2,b1, b2
10	Arterial disorder II	– Aneurysms and vascular anomalies		4hrs	a1,a2,b1, b2
11	Arterial disorder III	– Vascular access and fistula		4hrs	a1,a2,b1, b2
12	Cardiothoracic surgical disorders I	– Mediastina disorders		4hrs	a1,a2,b1, b2
13	Cardiothoracic surgical disorders II	– Thoracic outlet syndrome	4 <sup>th</sup>	4hrs	a1,a2,b1, b2
14	Cardiothoracic surgical disorders III	– Primary and secondary lung neoplasms		4hrs	a1,a2,b1, b2
15	Cardiothoracic surgical disorders IV	– Principles of cardiac surgery		4hrs	a1,b1
16	Neck surgical disorder I	– Neck swellings	5 <sup>th</sup>	4hrs	a1,b1
17	Neck surgical disorder II	– Diseases of the salivary glands		4hrs	a1,a2,b1, b2
18	Head surgical disorder I	– Congenital anomalies of Face , lip and palate		4hrs	a1,a2,b1, b2
19	Head surgical disorder II	– Neoplasm of the face and oral cavity		4hrs	a1,a2,b1, b2
20	Final theoretical exam		7 <sup>th</sup> w	2hrs	a1,a2,b1, b2,d1,d2

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
Number of Weeks /and Units Per Semester			6W	78hrs	

### B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
1	<ul style="list-style-type: none"> <li>- Review of history taking .</li> <li>- Review of general examination</li> <li>- Examination of head and neck</li> <li>- Examination of chest</li> <li>- Examination of abdomen</li> </ul>	1 <sup>st</sup> w	12hrs	c1,c2,d2
2	<ul style="list-style-type: none"> <li>- Examination of upper and lower limb</li> </ul>		12hrs	c1,c2,c3,d2
3	<ul style="list-style-type: none"> <li>- History and examination skills for pediatric surgical disorder .</li> </ul>		12hrs	c1,c2,c3,d2
4	<ul style="list-style-type: none"> <li>- Evaluation skills for congenital esophageal anomalies and diaphragmatic hernia and plan for management</li> </ul>	2 <sup>nd</sup> w	12hrs	c1,c2,c3,d1,d2
5	<ul style="list-style-type: none"> <li>- Approach to patient with neonatal and infant intestinal obstruction.</li> <li>- Evaluation skills for patient with salivary gland disease and plan for management</li> </ul>		12hrs	c1,c2,c3,d1,d2
6	<ul style="list-style-type: none"> <li>- Evaluation skills for patient with cleft lips and palate and plan for management</li> <li>- Evaluation skills for patient with oral neoplasm and plan for management</li> </ul>		12hrs	c1,c2,c3,d1,d2
7	<ul style="list-style-type: none"> <li>- Evaluation skills for patient with cellulitis and necrotizing fasciitis and plan for management</li> <li>- Evaluation skills for patient with skin neoplasm and plan for management</li> </ul>	3 <sup>rd</sup>	12hrs	c1,c2,c3,d1,d2
8	<ul style="list-style-type: none"> <li>- Evaluation skills for patient with lymphatic vascular disorder and plan</li> </ul>		12hrs	c1,c2,c3,d1,d2

No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
	for management - Evaluation skills for patient with lymphadenopathy and plan for management			
9	- History and examination skills for venous system disorder. - Evaluation skills for patient with varicose vein and plan for management		12hrs	c1,c2,c3,d1,d2
10	- Evaluation skills for patient with DVT and plan for management - History and examination skills for arterial disorder. - Approach to patient with acute limb ischemia and plan for management		12hrs	c1,c2,c3,d1,d2
11	- Approach to patient with chronic limb ischemia and plan for management		12hrs	c1,c2,c3,d1,d2
12	- Approach to patient with limb ulcer - Evaluation skills for patient with limb gangrene - Evaluation skills for patient with diabetic foot and plan for management	4 <sup>th</sup> w	12hrs	c1,c2,c3,d1,d2
13	- Evaluation skills for vascular aneurysm and malformations - History and examinations of surgical thoracic disease - History and examination of surgical cardiac disease - Evaluation skills for surgical pleural disorder and plan for management - Evaluation skills for mediastina disorder and plan for management	5 <sup>th</sup> W	12hrs	c1,c2,c3,d1,d2
14	- Evaluation skills for lung tumor and		12hrs	c1,c2,c3,d1,d2

No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
	surgical role in management			
15	- Evaluation skills for congenital heart disease and plan for management		12hrs	c1,c2,c3,d1,d2
16	Final clinical and oral exam	6 <sup>th</sup> w	3hr	b1,b2,c1,c2,c3,d1,d2
<b>Number of Weeks /and Units Per Semester</b>		<b>6W</b>	<b>183hrs</b>	

### V. Teaching Strategies of the Course:

Lectures  
Training  
Case studies  
Discussion

### VI. Assessment Methods of the Course:

- Quizzes
- Final clinical and oral exam
- Final Theoretical Exam
- OSCE
- Logbook
- Oral desiccation & Home Work

### VIII. Schedule of Assessment Tasks for Students During the Semester:

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Logbook	1-5 <sup>th</sup> W	10	10%	c1, c2
2	Quizzes & Oral desiccation	5 <sup>th</sup> W	10	10%	a1,a2, d1,d2
3	Final clinical & Oral Exam	6 <sup>th</sup> W	30	30%	b1,b2, c1, c2
4	Final Theoretical Exam & OSCE	7 <sup>th</sup> W	50	50%	a1,a2, b1,b2
<b>Total</b>			<b>100</b>	<b>100%</b>	

## IX. Learning Resources:

### 1- Required Textbook(s):

- 1- Normans S.Williams ,P.Ronan O`Connell, Andrew McCaskie 2018 , Bailey and love`s short practice of surgery , 27<sup>th</sup> Edition , UK, CRC Press .
- 2- Kevin G. Burnand , 2021 , Bailey and love`s short practice of surgery , 6<sup>th</sup> Edition , UK , CRC Press .

### 2- Essential References:

- 3- F.Charles Brunicardi et. al , 2019 , Schwartz`s principles of surgery , 11<sup>th</sup> Edition , USA , McGraw-Hill Education.

### 3- Electronic Materials and Web Sites etc.:

#### Websites:

- 1- The Visible Body Learn Site  
<https://www.visiblebody.com/learn/nervous>
- 2- Medical news today  
<https://www.medicalnewstoday.com/articles/307076>

## X. Course Policies: (Based on the Uniform Students' By law (2007)

1	<p><b>Class Attendance:</b></p> <p>Class Attendance is mandatory. A student is considered absent and shall be banned from taking the final exam if his/her absence exceeds 25% of total classes.</p>
2	<p><b>Tardiness:</b></p> <p>A student will be considered late if he/she is not in class after 10 minutes of the start time of class.</p>
3	<p><b>Exam Attendance/Punctuality:</b></p> <p>No student shall be allowed to the exam hall after 30 minutes of the start time, and shall not leave the hall before half of the exam time has passed.</p>
4	<p><b>Assignments &amp; Projects:</b></p> <p>Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same.</p>
5	<p><b>Cheating:</b></p> <p>Cheating is an act of fraud that results in the cancelation of the student`s exam or assignment. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.</p>

6	<p><b>Forgery and Impersonation:</b></p> <p>Forgery/Impersonation is an act of fraud that results in the cancelation of the student's exam, assignment or project. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.</p>
7	<p><b>Other policies:</b></p> <p>The University official regulations in force will be strictly observed and students shall comply with all rules and regulations of the examination set by the Department, Faculty and University Administration.</p>

## Faculty of Medicine

### Program of Medicine

### Bachelor of Medicine and Surgery

## Course Plan (Syllabus) of

### General Surgery Block II

### Block Code. (A21P522)

I. Information about Faculty Member Responsible for the Course:							
Name of Faculty Member:		Office Hours					
Location & Telephone No.:	----						
E-mail:	--@--	SAT	SUN	MON	TUE	WED	THU

2022/2023

## II. Course Identification and General Information:

Course Title:	General Surgery Block II				
Block Code:	A21P522				
Credit Hours:	Credit Hours	Theory Contact Hours		Practical Contact Hours	Clinical
		Lecture	Tutorial/Seminar	Lab	
	8	4	--		
Level/ Semester at which this Course is offered:	5th Level / 2nd Semester				
Pre –Requisite (if any):	General Surgery Block I				
Co –Requisite (if any):	None				
Program (s) in which the Course is Offered:	Bachelor of Medicine and surgery				
Language of Teaching the Course:	English				
Location of Teaching the Course:	Faculty of Medicine				
Prepared by:	Dr. Mohammad Abdulkareem				
11	Date and Number of Approval by Council:				

## III. Course Description:

The course is the third course in surgery. Building on the previous courses of surgery, students will have more advanced clinical and problem-solving training and are expected to formulate basic investigations and management plans. Theoretical knowledge will cover paediatric surgery and cardiopulmonary systems disorders through lectures throughout the course.

#### IV. Course Intended Learning Outcomes (CILOs) :

Upon successful completion of the Course, student will be able to:

<b>A. Knowledge and Understanding:</b>	
a1	Describe the normal structure and function of the human body at molecular, cellular and biochemical, in relation to general surgical disease.
a2	Identify the etiology, pathogenesis, clinical manifestations, diagnosis differential diagnosis and complications of common surgical disease and important surgical emergencies.
<b>B. Intellectual Skills:</b>	
b1	Distinguish between physiological and pathological performance of body cells.
b2	Analyze data obtained from medical history, physical examination and para-clinical investigations to reach a final diagnosis and plan the management of common surgical disease and important surgical emergencies.
<b>C. Professional and Practical Skills:</b>	
c1	Perform patient-centered history taking, physical examination and investigations for patient with common surgical conditions and emergency situations.
c2	Prescribe appropriate, safe and affordable drugs for initial treatment of patients with surgical conditions.
c3	Perform common laboratory procedures, investigations, and basic interventions that are necessary in relevant surgical conditions.
<b>D. Transferable Skills:</b>	
d1	Use the information technology and internet resources efficiently for self-learning and gaining up-to-date information in the areas of interest.
d2	Act independently or collaboratively as a member of teamwork and communicate effectively with others.
<b>I= Introduced, P=Practiced or M/A= Mastered/Advanced</b>	

#### IV. Course Contents:

##### A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
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No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1	Pediatric surgery I	– Principles of surgery in paediatric patient	1 <sup>st</sup> w	4hrs
2	Pediatric surgery II	– Neck swelling in paediatrics		4hrs
3	Pediatric surgery I II	– congenital gastro-Esophageal anomalies – Diaphragmatic hernia		4hrs
4	Pediatric surgery IV	– Neonatal & infant intestinal obstruction		4hrs
5	Skin and subcutaneous tissue I	– Infection of skin and soft tissue	2 <sup>nd</sup> w	4hrs
6	Skin and subcutaneous tissue II	– Neoplasm of skin and soft tissue		4hrs
7	Venous disorder I	– Varicose vein		4hrs
8	Venous disorder II	– DVT and pulmonary embolism	3 <sup>rd</sup> W	4hrs
9	Arterial disorder I	– Investigation of arterial disease		4hrs
10	Arterial disorder II	– Aneurysms and vascular anomalies		4hrs
11	Arterial disorder III	– Vascular access and fistula		4hrs
12	Cardiothoracic surgical disorders I	– Mediastina disorders	4 <sup>th</sup>	4hrs
13	Cardiothoracic surgical disorders II	– Thoracic outlet syndrome		4hrs
14	Cardiothoracic surgical disorders III	– Primary and secondary lung neoplasms		4hrs
15	Cardiothoracic surgical disorders IV	– Principles of cardiac surgery		4hrs
16	Neck surgical disorder I	– Neck swellings	5 <sup>th</sup>	4hrs
17	Neck surgical disorder II	– Diseases of the salivary glands		4hrs

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
18	Head surgical disorder I	- Congenital anomalies of Face , lip and palate		4hrs
19	Head surgical disorder II	- Neoplasm of the face and oral cavity		4hrs
20	Final theoretical exam		7 <sup>th</sup> w	2hrs
Number of Weeks /and Units Per Semester			6W	78hrs

### B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Week Due	Contact Hours
1	- Review of history taking . - Review of general examination - Examination of head and neck - Examination of chest - Examination of abdomen	1 <sup>st</sup> w	12hrs
2	- Examination of upper and lower limb		12hrs
3	- History and examination skills for pediatric surgical disorder .		12hrs
4	- Evaluation skills for congenital esophageal anomalies and diaphragmatic hernia and plan for management	2 <sup>nd</sup> w	12hrs
5	- Approach to patient with neonatal and infant intestinal obstruction. - Evaluation skills for patient with salivary gland disease and plan for management		12hrs
6	- Evaluation skills for patient with cleft lips and palate and plan for management - Evaluation skills for patient with oral neoplasm and plan for management		12hrs
7	- Evaluation skills for patient with cellulitis and necrotizing fasciitis and plan for management - Evaluation skills for patient with skin neoplasm and plan for management	3 <sup>rd</sup>	12hrs
8	- Evaluation skills for patient with lymphatic vascular		12hrs

No.	Tasks/ Experiments	Week Due	Contact Hours
	disorder and plan for management - Evaluation skills for patient with lymphadenopathy and plan for management		
9	- History and examination skills for venous system disorder. - Evaluation skills for patient with varicose vein and plan for management		12hrs
10	- Evaluation skills for patient with DVT and plan for management - History and examination skills for arterial disorder. - Approach to patient with acute limb ischemia and plan for management		12hrs
11	- Approach to patient with chronic limb ischemia and plan for management		12hrs
12	- Approach to patient with limb ulcer - Evaluation skills for patient with limb gangrene - Evaluation skills for patient with diabetic foot and plan for management	4 <sup>th</sup> w	12hrs
13	- Evaluation skills for vascular aneurysm and malformations - History and examinations of surgical thoracic disease - History and examination of surgical cardiac disease - Evaluation skills for surgical pleural disorder and plan for management - Evaluation skills for mediastina disorder and plan for management	5 <sup>th</sup> W	12hrs
14	- Evaluation skills for lung tumor and surgical role in management		12hrs
15	- Evaluation skills for congenital heart disease and plan for management		12hrs
16	Final clinical and oral exam	6 <sup>th</sup> w	3hr
<b>Number of Weeks /and Units Per Semester</b>		<b>6W</b>	<b>183hrs</b>

## V. Teaching Strategies of the Course:

Lectures  
Training  
Case studies  
Discussion

## VI. Assessment Methods of the Course:

- Quizzes
- Final clinical and oral exam
- Final Theoretical Exam
- OSCE
- Logbook
- Oral desiccation & Home Work

## VIII. Schedule of Assessment Tasks for Students During the Semester:

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
1	Logbook	1-5 <sup>th</sup> W	10	10%
2	Quizzes & Oral desiccation	5 <sup>th</sup> W	10	10%
3	Final clinical & Oral Exam	6 <sup>th</sup> W	30	30%
4	Final Theoretical Exam & OSCE	7 <sup>th</sup> W	50	50%
<b>Total</b>			<b>100</b>	<b>100%</b>

## IX. Learning Resources:

### 1- Required Textbook(s):

- 4- Normans S. Williams ,P.Ronan O`Connell, Andrew McCaskie 2018 , Bailey and love`s short practice of surgery , 27<sup>th</sup> Edition , UK, CRC Press .
- 5- Kevin G. Burnand , 2021 , Bailey and love`s short practice of surgery , 6<sup>th</sup> Edition , UK , CRC Press .

### 2- Essential References:

- 6- F.Charles Brunicardi et. al , 2019 , Schwartz`s principles of surgery , 11<sup>th</sup> Edition , USA , McGraw-Hill Education.

### 3- Electronic Materials and Web Sites etc.:

#### Websites:

3- The Visible Body Learn Site

<https://www.visiblebody.com/learn/nervous>

4- Medical news today

<https://www.medicalnewstoday.com/articles/307076>

## XI. Course Policies: (Based on the Uniform Students' Bylaw (2007))

1	<b>Class Attendance:</b> Class Attendance is mandatory. A student is considered absent and shall be banned from taking the final exam if his/her absence exceeds 25% of total classes.
2	<b>Tardiness:</b> A student will be considered late if he/she is not in class after 10 minutes of the start time of class.
3	<b>Exam Attendance/Punctuality:</b> No student shall be allowed to the exam hall after 30 minutes of the start time, and shall not leave the hall before half of the exam time has passed.
4	<b>Assignments &amp; Projects:</b> Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same.
5	<b>Cheating:</b> Cheating is an act of fraud that results in the cancelation of the student's exam or assignment. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
6	<b>Forgery and Impersonation:</b> Forgery/Impersonation is an act of fraud that results in the cancelation of the student's exam, assignment or project. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
7	<b>Other policies:</b> The University official regulations in force will be strictly observed and students shall comply with all rules and regulations of the examination set by the Department, Faculty and University Administration.