



خطة المساق الدراسي  
 COURSE PLAN

FIRST: COURSE IDENTIFICATION			أولاً: تعريف المساق
<b>College &amp; Department</b>			الكلية والقسم
<b>College</b>	Medicine		الكلية
<b>Department</b>	General and Special Surgery		القسم
<b>Academic Year</b>	5 <sup>th</sup>		السنة الدراسية
<b>Academic Semester</b>	All semesters		الفصل الدراسي
<b>Course details</b>			تفاصيل المساق
<b>Course Title</b>	Ophthalmology		اسم المساق
<b>Course Code</b>	MD 545		رمز المساق
<b>Course Type</b>	Clinical		نوع المساق
<b>Credit Hours</b>	2		الساعات المعتمدة
<b>Pre-requisite</b>	None		المتطلب السابق
			آلية تدريس المساق
<input type="checkbox"/> وجاهي <input type="checkbox"/> الكتروني كامل <input type="checkbox"/> مدمج			
<b>Teaching Method</b>	<input type="checkbox"/> Face-to-Face <input type="checkbox"/> Online <input type="checkbox"/> Blended		
<b>Instructor Contact Information</b>			المدرس
<b>Name</b>	Mohammad Abusamak		اسم المدرس



	Haitham Sahawneh Amal Al-Omari Asma Musleh Ayman Abdul-Aziz				
<b>Office No.</b>					رقم المكتب
<b>Tel (Ext)</b>					الرقم الداخلي
<b>E-mail</b>	Mabusamak@bau.edu.jo				البريد الالكتروني
<b>Office Hours</b>	12-2 pm				الساعات المكتبية
<b>وقت المحاضرة Class Times</b>	<b>وقت البدء Start Time</b>	<b>وقت النهاية End Time</b>	<b>اليوم Day</b>	<b>المبنى Building</b>	<b>رقم القاعة Room No.</b>
	9 AM	2 PM	Sunday	----	----
<b>Course Materials</b>					مصادر المساق
<b>Textbook</b>					الكتاب المقرر
<ol style="list-style-type: none"> <li>Lecture notes in ophthalmology 12<sup>th</sup> edition</li> <li>Macleod's Clinical examination 13<sup>th</sup> edition chapter 12 pages 276-297</li> <li>Clinical Decision-making chapter of Ophthalmology An illustrated color text page 100-115</li> </ol>					
<b>Course References, Readings and Learning Resources</b>					المراجع والقراءات ومصادر تعلم المساق:
<ol style="list-style-type: none"> <li>Wills Eye Manual 8<sup>th</sup> edition</li> <li>Kanski Clinical Ophthalmology 9<sup>th</sup> edition</li> </ol>					
<b>SECOND: COURSE OVERVIEW/DESCRIPTION</b>					ثانياً: معلومات المساق
<b>Course description</b>					وصف المساق



Ophthalmology course is a two-week rotation designed to provide 5<sup>th</sup> year medical students with knowledge of common ophthalmic diseases and emergencies that are commonly encountered during general medical practice and how to manage common ocular emergencies.

During this course, the students are expected to attend daily clinics and participate in seeing patients under supervision of attending ophthalmologists to learn clinical signs of common eye diseases. Interactive seminars on common ophthalmic diseases and emergencies are held on Sunday of the first week of the rotation. By the end of the course, the student should be familiar with basics in ophthalmology and be able to demonstrate knowledge of common ophthalmic disorders and emergencies.

Course Objectives		أهداف المساق	
<b>By the end of this course, students should be able to</b>		<b>مع نهاية هذا المساق يجب أن يكون الطالب قادراً على</b>	
<b>CO1.</b>	Be familiar with evidence-base medicine and its application in clinical settings	<b>الهدف 1:</b>	
<b>CO2.</b>	Provide core knowledge appropriate to 5 <sup>th</sup> year medical students.	<b>الهدف 2:</b>	
<b>CO3.</b>	Teach students how to approach patients and take good history and physical examination	<b>الهدف 3:</b>	
<b>CO4.</b>	Provide students with ability to diagnose common eye conditions and to demonstrate basic skills in examination and management of emergency cases in Ophthalmology	<b>الهدف 4:</b>	
<b>CO5.</b>	Encourage students to demonstrate good ethical attitude and approach to patients	<b>الهدف 5:</b>	
<b>CO6.</b>	Be familiar with ophthalmic diseases that require screening.	<b>الهدف 6:</b>	
<b>CO7.</b>	To learn how systemic diseases could involve the eye	<b>الهدف 7:</b>	
<b>CO8.</b>		<b>الهدف 8:</b>	
Program Intended Learning Outcomes (PILO):		مخرجات التعلم المستهدفة للبرنامج	
Knowledge & understanding, <small>المعرفة والفهم</small>	<b>PILO1</b>	Understand basic concepts in basic and clinical medical sciences.	<b>م ب 1:</b>
	<b>PILO2</b>	Understand the concepts of community medicine and preventive medicine and ways to apply them.	<b>م ب 2:</b>



	<b>PILO3</b>	Recognize the concepts and understand the origins of scientific research in the medical field	م ب 3:	
	<b>PILO4</b>	Apply different clinical skills and techniques in diagnosis and treatment.	.....	
	<b>PILO5</b>	Design and implementation of a research project of collecting, analyzing, interpreting and evaluating data.	م ب 5:	
	<b>PILO6</b>	The ability to communicate effectively with patients, their families and society in general	م ب 6:	
	<b>PILO7</b>	Ability to work efficiently independently and as part of a team.	م ب 7:	
	<b>PILO8</b>	Ability to learn independently with openness and critical thinking	م ب 8:	
	<b>PILO9</b>	Ability to learn effectively for the purpose of continuing professional development	م ب 9:	
<b>Course Intended Learning Outcomes (CILO)</b> مخرجات التعلم المستهدفة للمساق				
<b>Successful completion of the course should lead to the following outcomes:</b> في نهاية المساق بنجاح يجب أن يكتسب الطالب المخرجات التالية:				
Knowledge & understanding	<b>CILO1</b>	Understand ophthalmic medical terminology and concepts in basic and clinical ophthalmology	م م 1:	المعرفة والفهم
	<b>CILO2</b>	Understand basic and clinical knowledge of ophthalmic common diseases, trauma mechanisms, and emergencies.	م م 2:	
	<b>CILO3</b>		م م 3:	
	<b>CILO4</b>		م م 4:	
Professional Skills	<b>CILO5</b>	Demonstrate basic knowledge of examination skills	م م 5:	المهارات
	<b>CILO6</b>	Demonstrate ability in assessing and managing ophthalmic emergencies that he/she might encounter in general practice.	م م 6:	



	<b>CILO7</b>		م م 7:	
	<b>CILO8</b>		م م 8:	
<b>Competences</b>	<b>CILO9</b>	Demonstrate critical and logical approach toward ophthalmic conditions and history taking.	م م 9:	<b>الكليات</b>
	<b>CILO10</b>	Encourage good ethical attitude towards peers, staff and patients.	م م 10:	
	<b>CILO11</b>		م م 11:	
	<b>CILO12</b>		م م 12:	



موانمة مخرجات التعلم للمساق CILOs مع مخرجات التعلم للبرنامج PILOs

Mapping Course Learning Outcomes CILOs to Program Learning Outcomes PILOs

	Understand basic concepts in basic and clinical medical sciences.	Understand the concepts of community medicine and preventive medicine and ways to apply them.	Recognize the concepts and understand the origins of scientific research in the medical field	Apply different clinical skills and techniques in diagnosis and treatment.	Design and implementation of a research project of collecting, analyzing, interpreting and evaluating data.	The ability to communicate effectively with patients, their families and society in general	Ability to work efficiently independently and as part of a team.	Ability to learn independently with openness and critical thinking	Ability to learn effectively for the purpose of continuing professional development
Understand ophthalmic medical terminology and concepts in basic and clinical ophthalmology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Understand basic and clinical knowledge of ophthalmic common diseases, trauma mechanisms, and emergencies.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Demonstrate basic knowledge of examination skills.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Demonstrate ability in assessing and managing ophthalmic emergencies that he/she might encounter in general practice.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



Demonstrate critical and logical approach toward ophthalmic conditions and history taking.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Encourage good ethical attitude towards peers, staff and patients.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Program intended learning outcomes (PILOs)	Program objective(PO1s)	To graduate highly qualified doctors with valuable skills and information who are able to provide the required medical care and perform their profession effectively and competitively in society.	Graduating physicians with Professional and ethical commitment	Graduating physicians capable of dealing with societal health problems and committed to maintaining the health of community members through the practice of preventive medicine and health awareness	Graduating physicians and doctors capable of conducting research to improve medical conduct	Graduating physicians with effective communication skills and the ability for teamwork and leadership.	Graduating physicians committed to the principles of quality, patient safety and infection control.
1. Show understanding of various human body systems in terms of structure, function, and regulation, and normal anatomical, biochemical, cellular, genetic, and molecular mechanisms in human body and their disruptions during disease status. <b>(Knowledge)</b>		*	*		*		
2. Collect history and perform physical examination and apply clinical knowledge and skills in disease diagnosis and management through rational planning in requesting necessary, updated, and accurate diagnostic procedures <b>(Skills)</b>		*	*				



3. Build an efficient and healthy doctor-patient and doctor-community relationship. (Skills)	*	*	*		*	*
4. Recognize and apply the basic concepts and principles in scientific research, emphasizing research ethics and the practice of evidence-based medicine. (Competencies)	*	*		*		
5. Appreciate and apply the principles of medical and sustainable professional development. (Competencies)	*	*	*	*	*	*
6. Respect and adhere to ethical principles in all aspects of education, training, and work (Competencies)	*	*		*	*	*

### Topic Outline/Schedule (Syllabus)

### مخطط المساق (الموضوعات)

الأسبوع Week	مواضيع المساق / الفعاليات Course Topics/Events	القراءات (المراجع) Readings (Reference) رقم	رمز مخرجات المساق CLO	رمز مخرجات البرنامج PILO	أنشطة التدريس والتعلم Teaching & Learning Activity	العلامة Mark	الوقت / الموعد Duration/ Deadlines
1.	1. Visual system anatomy and differential diagnosis	2	1,2,6,9	1,3,4,6,7,8,9	Power point material, Videos, Slit Lamp, Direct Ophthalmoscope, Observation and participation in patients' assessment under Clinical Trainer's Supervision	2-3	2 Weeks Ophthalmology rotation
2.	Neuro-ophthalmology and optic nerve disorders	1,2	1,2,6,9	1,3,4,5,6,7,8,9	Power point material, Videos, Slit Lamp, Direct Ophthalmoscope, Observation and participation in patients' assessment under Clinical Trainer's Supervision	2-3	2 Weeks Ophthalmology rotation





3.	Cataract	1,3,4,5	1,2,6,9	1,3,4,5,6,7,8,9	Power point material, Videos, Slit Lamp, Direct Ophthalmoscope, Observation and participation in patients' assessment under Clinical Trainer's Supervision	2-3	2 Weeks Ophthalmology rotation
4.	Orbit/eye lid/ lacrimal system	1,3,4,5	1,2,6,9	1,2,3,4,5,6,7,8,9	Power point material, Videos, Slit Lamp, Direct Ophthalmoscope, Observation and participation in patients' assessment under Clinical Trainer's Supervision	2-3	2 Weeks Ophthalmology rotation
5.	Glaucoma	1,3,4,5	1,2,6,9	1,3,4,5,6,7,8,9	Power point material, Videos, Slit Lamp, Direct Ophthalmoscope, Observation and participation in patients' assessment under Clinical Trainer's Supervision	2-3	2 Weeks Ophthalmology rotation
6.	Uveitis	1,3,4,5	1,2,6,9	1,3,4,5,6,7,8,9	Power point material, Videos, Slit Lamp, Direct Ophthalmoscope, Observation and participation in patients' assessment under Clinical Trainer's Supervision	2-3	2 Weeks Ophthalmology rotation



7.	Retina Medical diseases	1,3,4,5	1,2,6,9	1,2,3,4,5,6,7,8,9	Power point material, Videos, Slit Lamp, Direct Ophthalmoscope, Observation and participation in patients' assessment under Clinical Trainer's Supervision	2-3	2 Weeks Ophthalmology rotation
8.	Conjunctiva, cornea and sclera	1,3,4,5	1,2,6,9	1,2,3,4,5,6,7,8,9	Power point material, Videos, Slit Lamp, Direct Ophthalmoscope, Observation and participation in patients' assessment under Clinical Trainer's Supervision	2-3	2 Weeks Ophthalmology rotation
9.	Retina vascular diseases	1,3,4,5	1,2,6,9	1,2,3,4,5,6,7,8,9	Power point material, Videos, Slit Lamp, Direct Ophthalmoscope, Observation and participation in patients' assessment under Clinical Trainer's Supervision	2-3	2 Weeks Ophthalmology rotation
10.	Eye movement disorders	1,3,4,5	1,2,6,9	1,3,4,5,6,7,8,9	Power point material, Videos, Slit Lamp, Direct Ophthalmoscope, Observation and participation in patients' assessment under Clinical Trainer's Supervision	2-3	2 Weeks Ophthalmology rotation



11.	Eye trauma	1,3,4,5	1,2,6,9	1,3,4,5,6,7,8,9	Power point material, Videos, Slit Lamp, Direct Ophthalmoscope, Observation and participation in patients' assessment under Clinical Trainer's Supervision	2-3	2 Weeks Ophthalmology rotation
12.	Pupil disorders	1,2,3,4,5	1,2,6,9	1,3,4,5,6,7,8,9	Power point material, Videos, Slit Lamp, Direct Ophthalmoscope, Observation and participation in patients' assessment under Clinical Trainer's Supervision	2-3	2 Weeks Ophthalmology rotation
13.	Focused ophthalmology History and Physical Examination	1,2	1,5,6,9,10	1,4,6,7,8	Power point material, Videos, Slit Lamp, Direct Ophthalmoscope, Observation and participation in patients' assessment under Clinical Trainer's Supervision	3-5	2 Weeks Ophthalmology rotation
14.	Approach to common ophthalmic conditions	3,4	1,5,6,9,10	1,4,6,7,8,9	Power point material, Videos, Slit Lamp, Direct Ophthalmoscope, Observation and participation in patients' assessment under Clinical Trainer's Supervision	3-5	2 Weeks Ophthalmology rotation



15.	Common Ophthalmic Surgeries and Procedures	5	1,2,9,10	1,4,6,8,9	Observation of Clinical Trainers performing surgeries and procedures in Operations Room		2 Weeks Ophthalmology rotation
16.	End of Rotation Exam					35	End of ophthalmology rotation
17.	التقييم التجميحي • Final exam (Summative Assessment)				الامتحان النهائي (التقييم التجميحي) Summative Assessment	50	Week 16

Week	May use the Week number more than once	من الممكن استخدام رقم الأسبوع اكثر من مرة	الأسبوع
Course Topics/Events	The topic that is the focus of this part of the class in subjects' format	المحتوى التعليمي المعطى في المحاضرة على شكل مواضيع	مواضيع المساق / الفعاليات
CILO	The learning objective of this specific topic; what you want the students to achieve.	الهدف التعليمي لهذا الموضوع المحدد؛ ما الذي تريد أن يحققه الطلاب.	مخرجات التعلم للمحاضرة
Teaching & Learning Activity	Power point material, Videos, White board, overhead projector, handout, pc projector, written assignment, flip chart, objects used to illustrate something etc.	وسائل التعليم المستخدمة، مادة عرض مصورة، مقاطع مصورة، مجسمات السبورة البيضاء، جهاز عرض علوي، نشرة، جهاز عرض كمبيوتر، مهمة كتابية، لوح ورقي، أشياء مستخدمة لتوضيح شيء ما وما إلى ذلك.	أنشطة التدريس والتعلم
Time	Duration of this part of the class.	مدة هذا الجزء النشاط من المحاضرة.	الوقت
Mark	Mark weight for each topic as a part of total (100)	علامة كل مخرج وهي جزء من العلامة الكلية (100)	العلامة



ASSESSMENT TOOLS		أساليب التقييم		
Write assessment tools that will be used to test students' ability to understand the course material and gain the skills and competencies stated in learning outcomes		أكتب أساليب التقييم التي سيتم استخدامها لتقييم قدرة الطلبة على استيعاب مواد المساق واكتساب المهارات والكفايات المنصوص عليها في مخرجات التعلم		
وسيلة التقييم ASSESSMENT TOOLS	النوع (تكويني أو تجميعي) Type (Informative and Summative)	رمز مخرجات المساق المستهدفة CILO	العلامة Grade	النسبة % Percentage
<input type="checkbox"/> المشاركة (Participation)	Informative		15	15%
<input type="checkbox"/> تقرير (Report)				
<input type="checkbox"/> المقالات المختصرة (Essays)				
<input type="checkbox"/> واجبات (assignments)				
<input type="checkbox"/> الاختبارات الشفوية (Oral exams)				
<input type="checkbox"/> دراسة الحالة (Case study exams)				
<input type="checkbox"/> امتحانات قصيرة (Quizzes)				
<input type="checkbox"/> التجارب العملية (Experiments)				
<input type="checkbox"/> مشاريع (Project)				
<input type="checkbox"/> زيارات ميدانية (Field Trip)				
<input type="checkbox"/> أخرى (يرجى التحديد) Other (specify)				
<input type="checkbox"/> امتحان منتصف الفصل (Mid Exam)	Summative		35	35%
<input type="checkbox"/> الامتحان النهائي (Final Exam)	Summative		50	50%
المجموع (TOTAL MARKS)	100		100	100%

<b>Informative</b>	A set of formal and informal assessment procedures that teachers conduct during the learning process in order to modify teaching and learning activities to improve student achievement.	مجموعة من إجراءات التقييم الرسمية وغير الرسمية التي يجريها المعلمون أثناء عملية التعلم من أجل تعديل أنشطة التعليم والتعلم لتحسين تحصيل الطلاب.	التكويني
<b>Summative</b>	A set of formal assessment procedures that teachers conduct after the learning process in order to measure student achievement.	مجموعة من إجراءات التقييم الرسمية التي يجريها المعلمون بعد عملية التعلم من أجل قياس تحصيل الطلاب.	التجميعي
<b>Assessment Tools</b>	Technique or method of evaluating information to determine how much a Student knows and whether this knowledge aligns with the intended learning outcomes of a theory or framework.	تقنية أو طريقة لتقييم المعلومات لتحديد مدى معرفة الطالب وما إذا كانت هذه المعرفة تتوافق مع نتائج التعلم لنظرية أو إطار عمل.	وسيلة التقييم



### THIRD: COURSE POLICIES AND INSTRUCTIONS

### ثالثاً: التعليمات والإرشادات

#### Attendance rules

#### الحضور والمواظبة

Attendance and participation are critical, and the regular university norms will apply. A student is not permitted to be absent for more than 15% of the total number of credit hours given to any course. Each class's attendance will be tracked. A 10% absence will result in a first written notice. If a student misses 15% of the class, the course is dropped, and the student is not entitled to sit for the final exam. If a student has any special circumstances (medical or personal), he or she is advised to discuss this with the instructor, and documented evidence will be requested to remove any absences from his or her attendance records.

يعتبر حضور الطلبة للمحاضرات ومشاركتهم بها في غاية الأهمية، وسيتم تطبيق القواعد المعمول بها في الجامعة بهذا الخصوص. يتم تسجيل حضور الطلبة في كل محاضرة. وصول نسبة غياب الطالب إلى 10% ستسبب في تلقيه إنذاراً أولياً خطياً. في حال وصول نسبة الغيابات إلى 15%، يتم حرمان الطالب من المساق ولن يسمح للطالب بالتقدم للامتحان النهائي في المساق. في حال تعرض الطالب إلى أي ظروف قاهرة (مرض أو ظروف شخصية)، يجدر بالطالب التواصل مع المدرس ومناقشة هذا الظرف وإظهار دليل خطي يبرر الظرف ليتم إلغاء الغياب من سجل الغياب.

### GRADING SYSTEM

#### نظام التقديرات

التقدير Grade	النقاط Points	المدى Range
A	أ	
A-	أ-	
B+	ب+	
B	ب	
B-	ب-	
C+	ج+	
C	ج	
C-	ج-	
D+	د+	
D	د	
D-	د-	
F	ف	



## Policies and instructions

## السياسات والإرشادات

- Students must read and follow the internal bylaws of BAU in relation to student conduct bylaws.
- Students with special needs are highly recommended to register their cases with a valid doctor's report in the student affairs department.
- Students with special needs shall be subject to special care in coordination with the head of department as per internationally recognized and benchmarked considerations and services.
- The student must seek permission before making any interventions on the subject of the lecture.
- The student must listen to and respect the opinions of others.
- The student should not obstruct the course of the lecture.
- Students should not hesitate to ask questions to the instructor.
- Students should not use their mobile phones during the lecture.
- Students are strongly encouraged to contact their instructor if they have course-related questions during office hours.
- Students are recommended to contact their instructor using the LMS.
- Cheating and Plagiarism are prohibited.

- يجب على الطالب أن يقوم بقراءة واتباع اللوائح الداخلية الخاصة بجامعة البلقاء التطبيقية المتعلقة بلوائح سلوك الطلبة.
- ينصح الطلبة من ذوي الاحتياجات الخاصة أن يقوموا بتسجيل حالاتهم لدى شؤون الطلبة من خلال تقرير طبي حسب الأصول وساري المفعول.
- يخضع الطلبة من ذوي الاحتياجات الخاصة إلى رعاية خاصة وذلك بالتنسيق مع رئيس القسم وفقاً للمعايير الخاصة بذلك والمعترف بها دولياً.
- على الطالب الاستئذان قبل القيام بأي مداخلات على موضوع المحاضرة.
- على الطالب الاستماع واحترام الرأي الآخر.
- على الطالب عدم إعاقة سير المحاضرة.
- على الطلاب عدم التردد في طرح الأسئلة على مدرس المادة والتواصل مع المدرس خلال الساعات المكتبية او من خلال نظام التعليم الإلكتروني.
- على الطلاب عدم استخدام الهاتف النقال أثناء المحاضرة.
- على الطلاب عدم التردد في التواصل مع المدرس خلال الساعات المكتبية او من خلال نظام التعليم الإلكتروني.
- غير مسموح الغش والانتحال على الاطلاق.

## COURSE COORDINATOR

## منسق المساق

منسق المساق Course Coordinator:		رئيس القسم Department Head:	
رقم قرار القسم Department Decision		تاريخ القرار: Date of Decision:	
التوقيع Signature:		التوقيع Signature:	
التاريخ Date:		التاريخ Date::	