



**Jordan University of Science and Technology**  
**Faculty of Applied Medical Sciences**  
**Department of Allied Medical Sciences**  
**Optometry Program**  
**Course Syllabus**

<b>Course Information</b>	
<b>Course Title</b>	Clinical training 2
<b>Course Code</b>	OPT 492
<b>Prerequisites</b>	OPT 491
<b>Course Website</b>	

<b>Course Description, Aims and Objectives</b>
In this course students are assigned to various areas within the clinic under direct clinical supervision of faculty members and teaching assistants. Students participate in examining outpatients who referred to the ophthalmology clinics in Princess Basma Hospital. Students are mainly exposed to refraction, refractive correction, binocular anomalies and ocular assessment. The course is solely based in previous knowledge obtained by students in previous preclinical courses.

<b>Textbook/s</b>	
<b>Title</b>	Clinical Procedures in Primary Eye Care
<b>Author(s)</b>	Elliott.
<b>Publisher</b>	Butterworth-Heinemann
<b>Year</b>	2003
<b>Edition</b>	2nd edition
<b>Book Website</b>	

<b>Useful Resources</b>
1. <a href="https://bhvi.org/">https://bhvi.org/</a>
2. <a href="https://www.optometry-evolution.com/optometry-educational-material-on-world-council-of-optometry-website/">https://www.optometry-evolution.com/optometry-educational-material-on-world-council-of-optometry-website/</a>
3. <a href="http://www.pubmed.com">www.pubmed.com</a>

<b>Assessment</b>		
<b>Assessment</b>	<b>Expected Due Date</b>	<b>Percentage</b>
<b>Daily assessment and log book</b>	Requirements throughout the semester 4 retinoscope cases 4 subjective REF 2 keratometry 4 binocular vision cases Oth	40%
<b>Midterm/second Exam</b>	6 th week	20%
<b>Final Exam</b>	End of the semester 20% (OSCE) 20% practical	40%
<b>TOTAL</b>		100%
<b>Teaching and Learning Methods</b>		
The course is conducted through case-based learning. Where students are expected to achieve the course objectives through direct interaction with clinical cases they examined in the clinic. Additionally, supporting studying material i.e. books, lectures handouts and seminars may be provided.		

#### **Learning Objectives:**

After studying the material covered in practical sessions, clinical seminars and case presentations of this course, the student is expected to achieve the following learning objectives:

<b>Learning objectives</b>	<b>Weight</b>
1. Provide clinical practice in the field of ophthalmic history and patients' communication.	20%
2. Apply proper approach of refractive error assessments and management.	20%
3. Apply knowledge of binocular vision assessment in management of cases of binocular anomalies.	20%
4. Provide clinical practice in selected instruments; Slit lamp, Direct and Indirect ophthalmoscope, tonometry, perimetry, fluorescein angiography and A and B scan.	20%
5. Provide clinical practice in management of eye diseases.	20%

#### **Learning outcomes:**

After studying the material covered in practical sessions, clinical seminars and case presentations of this course, the student is expected to achieve the following learning outcomes:

	<b>Learning outcome</b>	<b>References</b>
1.	The ability to communicate with patients and to obtain informative case history.	Practical training (According to the training workflow plan)
2.	The ability to assess and manage cases with binocular vision anomalies and strabismus.	Practical training
3.	Application of the appropriate approach of refractive error assessments and management	Practical training
4.	To participate in the clinical management of ocular conditions	Practical training

5.	To utilize instruments such as slit lamp, direct and indirect ophthalmoscope, tonometry, perimetry, fluorescein angiography and A and B scan in the initial diagnosis of selected cases.	Practical training
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**Lectures/topics:**

<b>Dates Or Weeks</b>	<b>Lecture Topic</b>	<b>Specific learning objectives</b>	<b>References</b>
1	Monocular subjective refraction Maximum plus to maximum visual acuity (MPMVA)	2,3,4	Clinical Procedures in Primary Eye Care
2	Binocular subjective refraction	3	Clinical Procedures in Primary Eye Care
3	The Jackson cross-cylinder The fan and block test	2,3	Clinical Procedures in Primary Eye Care
4	Different methods of assessment of accommodation (ACA ratio measurement)	2,3,4	Clinical Procedures in Primary Eye Care
5	Prescribing	2,3	Clinical Procedures in Primary Eye Care
6	Binocular vision assessment 1	2,3,4,5	Clinical Procedures in Primary Eye Care
7	Binocular vision assessment 2	2,3,4,5	Clinical Procedures in Primary Eye Care
8	Assessment of low vision patients	4,5	Clinical Procedures in Primary Eye Care
9	How to perform VT training 1	5	Clinical Procedures in Primary Eye Care
10	How to perform VT training 2	5	Clinical Procedures in Primary Eye Care

Discussion of selected cases
Slit lamp biomicroscopy: tonometry and using of accessory lenses تطبيق عملي
Slit lamp biomicroscopy: tonometry and using of accessory lenses تطبيق عملي
Practical in A and B scan تطبيق عملي
Practical in A and B scan تطبيق عملي
perimetry cases and practical application تطبيق عملي
Perimetry cases and practical application تطبيق عملي
Cataract types and treatment
Glaucoma types and treatment
Ocular emergencies (with visit to the ER)

Additional Notes	
<b>Statement on Professionalism</b>	Professional behavior is expected of students at all times. Attitude and professional behavior are a minimum criterion for passing this class. Examples of unprofessional behavior include but are not limited to: missing classes, tardiness, lack of attention for a speaker, talking to others during lecture, leaving a lecture prior to its completion without prior authorization of the instructor, working on other class material during class, and sleeping during class.
<b>Cheating</b>	University regulations will be applied on cases of cheating and/or plagiarism
<b>Cell phone:</b>	The use of cellular phone is prohibited in class rooms and during exams. The cellular phone must be switched off in class rooms and during exams.
<b>Attendance</b>	No points will be count for points attendance of this class, however attending the lectures will greatly enhance your grade. The student is responsible for any information discussed in lecture sessions. It is imperative to attend all classes!
<b>Absences:</b>	University regulations will be applied. Students are not allowed to be absent for more than 20% of lectures for any reason or excuse. If a student exceeds the absence limit, he or she will not be allowed to sit for future course exams. (Please review university regulation for more details)
<b>Make-up Exam</b>	Make-up exams is entitled for students who miss the exam with accepted legal or medical excuse endorsed by the instructor within 24 hours after the scheduled exam (Please review university regulation for more details)
<b>Feedback</b>	Concerns, complaints, questions, and/or feedback are appreciated and will be important for the instructor. You can contact your instructor using the e-mail or during office hours

kindest Regards

### Notes

- Students should proceed directly to his/her assigned cubicle with appropriate dress code (white coat unless dealing with young children or low vision patients) to ensure that all equipment is available and then collect your patient form.
- TA and student should arrive ten minutes before patient.
- Each student will normally see one patient per clinic.
- Each patient will be allocated to one student who assures overall responsibility for the patient during the duration of the appointment.
- Supervisor should be in the same room/cubic along with the students during patient's examination/communication and further students' discussion
- Student should Inform his/her supervisor when you have finished retinoscopy and then complete examination in order that his/her results can be confirmed
- Students are responsible to tidy their cubicles and replacing all trial lense3s and equipment.
- In the first semester it is aimed to complete eye examination in **less than 1 hour**. In the second semester the aim is 30 minutes.
- **Course coordinators will be responsible for student's case analysis exams (WRITTEN, OSCE), supervising student's exams and overall progress of the clinics and students training.**
- In case there is no patient for some students, demonstrating a particular test or a procedure should be hold by TAs in the cubic.