



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Optometry Department

OPT.455 Contact Lenses(1) - JNQF Level: 7

First Semester 2023-2024

Course Catalog

2 Credit Hours. The course focuses on the normal ocular anatomy that related to contact lens wear and different examination procedures prior to contact lens selection. The course also deals with the theoretical and practical aspect of contact lens fitting. This includes calculations, fitting principles and assessment of fit for soft contact lenses (spherical and toric). The course will solely be based on courses provided by international association of contact lens educators (IACLE). Any modification will be considered and hint for.

Teaching Method: On Campus

Text Book

Title	Contact lens practice
Author(s)	Nathan Efron
Edition	3rd Edition
Short Name	Ref#1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref#2	The contact lens manual : a practical guide to fitting	Andrew Gasson, Judith Morris	4th Edition	

Instructor

Name	Prof. May Bakkar
Office Location	FAMS -LEVEL 0

Office Hours	Sun : 10:30 - 11:30 Sun : 11:30 - 12:30 Sun : 12:30 - 13:30 Mon : 10:00 - 11:00 Wed : 08:30 - 09:30 Thu : 08:30 - 09:30
Email	mmbakkar@just.edu.jo

Class Schedule & Room	
Section 1:	Lecture Time: Mon, Wed : 11:30 - 12:30 Room: M3301
Section 3:	Lecture Time: Mon, Wed : 08:30 - 09:30 Room: LAB

Prerequisites		
Line Number	Course Name	Prerequisite Type
1103682	OPT.368 Optometric Examination3) Lab	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	contact lens history	From Ref#1
Week 2	Indications and contraindications for contact lens wear	From Ref#1
Week 3	Contact lens terminology, lens design, materials, optics and parameters	From Ref#1
Week 4	Properties of soft contact lenses	From Ref#1
Weeks 5, 6	Soft contact lenses fitting 1 & 2	From Ref#2
Week 7	Soft contact lens care and patient follow up	From Ref#2
Weeks 9, 10	Contact lens care solutions	From Ref#2
Weeks 11, 12	Complications of contact lens wear 1&2	From Ref#2
Week 8	Toric contact lens fitting for astigmatism	From Ref#1, From Ref#2

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method

Students will demonstrate the ability to accurately fit contact lenses based on patient assessment, including corneal curvature, ocular health, and visual needs, and evaluate lens performance through objective measurements and subjective feedback. [1PLO 1, 1PLO 4, 1PLO 5, 1PLO 6] [1L7S1]	20%	
Students will develop a comprehensive understanding of different contact lens materials, designs, and modalities available in the market, including soft hydrogel, and silicone hydrogel lenses, and their respective indications, advantages, and limitations. [1PLO 3, 1PLO 6] [1L7K1, 1L7S2]	20%	
Students will acquire knowledge of ocular anatomy and physiology relevant to contact lens wear, including corneal structure, tear film dynamics, and ocular surface health, and understand how these factors influence lens fitting, comfort, and ocular health outcomes. [1PLO 3, 1PLO 6] [1L7K1, 1L7S3]	20%	
Students will develop competence in contact lens management, including lens after care and hygiene practices, patient education on lens insertion, removal, and maintenance techniques, and troubleshooting common contact lens-related issues to ensure optimal lens wear and ocular health for patients. [1PLO 1, 1PLO 2, 1PLO 4, 1PLO 8] [1L7C1, 1L7C2, 1L7C4]	20%	
Students will gain awareness of legal and ethical considerations in contact lens practice, including regulations governing contact lens prescribing and dispensing, informed consent procedures, and professional responsibilities regarding patient safety, confidentiality, and ethical conduct in the provision of contact lens care. [1PLO 7, 1PLO 8] [1L7S2, 1L7C2]	20%	

Relationship to Program Student Outcomes (Out of 100%)								
PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9
10	5	20	10	5	25	10	15	

Relationship to NQF Outcomes (Out of 100%)						
L7K1	L7S1	L7S2	L7S3	L7C1	L7C2	L7C4
20	20	20	10	6.67	16.67	6.67

Policy

Regulation	<p>Statement on Professionalism 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.</p> <p>Cheating University regulations will be applied on cases of cheating and/or plagiarism</p> <p>Cell phone 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.</p> <p>Attendance 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!</p> <p>Absences 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)</p> <p>Make-up Exam Make-up exams is entitled for students who miss the exam with accepted legal or medical excuse endorsed by the department.</p> <p>Feedback 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</p>
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