



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

OPT.474 Geriatric Optometry - JNQF Level: 7

Second Semester 2023-2024

Course Catalog

2 Credit Hours. The optometric examination and management of senior/ elderly patients requires different approaches. The purpose of this course is to provide comprehensive instructions which will guide the students to take appropriate visual care of the elderly. Lectures handouts and supplementary material will be available on the course website <https://learn.ejust.org/> Other references will be provided when required. Teaching mode: Blended (One face-to-face lecture and one online lecture each week)

Teaching Method: Blended

Text Book

Title	Primer on Geriatric care ? A clinical Approach to the Older patient
Author(s)	Roseblatt D, and Natarajan V
Edition	1st Edition
Short Name	Ref. 1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref. 2	Vision and Aging, General and clinical perspectives	Reossenbloom A, and Morgan M	1st Edition	
Ref. 3	Optometry: Science, Techniques and Clinical Management	Rosenfield M & Logan N	2nd Edition	

Instructor

Name	Dr. Areej Okashah
Office Location	AMS-L1
Office Hours	

Email	aaokashah@just.edu.jo
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Class Schedule & Room
Section 1: Lecture Time: Sun : 11:30 - 12:30 Room: N4205

Prerequisites		
Line Number	Course Name	Prerequisite Type
1104911	OPT.491 Clinical Training(1)	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Functional perspective on ageing	From Ref. 1 , From Ref. 2
Weeks 2, 3	Ocular age-related changes: Physiological and pathological	From Ref. 1 , From Ref. 2
Weeks 4, 5	Ocular implication of systemic disease and injuries in the elderly	From Ref. 1 , From Ref. 2 , From Ref. 3
Weeks 6, 7	Comprehensive geriatric assessment CGA	
Week 8	Optometric examination of the elderly patients	From Ref. 1 , From Ref. 2 , From Ref. 3
Week 9	Fitting and dispensing spectacles for the elderly patients	From Ref. 1
Week 10	Elderly with low vision	
Weeks 11, 12, 13	CGA projects discussion	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Demonstrate knowledge of the anatomical and physiological changes of the eye due to ageing [1PLO 3] [1L7K1]	20%	Semester works
Demonstrate knowledge of the cognitive ability and restrictions as well as psychological changes in elderly [1PLO 3, 1PLO 4] [1L7K1, 1L7S1]	10%	Semester works
Demonstrate comprehensive knowledge of age related eye diseases such as AMD, cataract, diabetic retinopathy, etc. [1PLO 2, 1PLO 3] [1L7S1, 1L7S2]	30%	Final exam
Master diagnosis and management of presbyopia [1PLO 5] [1L7S1, 1L7S2, 1L7C2]	15%	Final exam

Make decision in terms of the appropriate prescribing option (CL/ spectacles) for an elderly with refractive error and/ or presbyopia [1PLO 1, 1PLO 4, 1PLO 5] [1L7C2, 1L7C4]	10%	Semester works, Final exam
Demonstrate knowledge of the effect of concurrent morbidity in elderly for example the effect of mobility restrictions and systemic disorders that affect visual functions and management option in geriatric population. [1PLO 2, 1PLO 4, 1PLO 6] [1L7S2, 1L7S3, 1L7C2]	15%	Semester works

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
3.33	20	40	13.33	18.33	5			

Relationship to NQF Outcomes (Out of 100%)						
L7K1	L7S1	L7S2	L7S3	L7C2	L7C4	
25	25	25	5	15	5	

Evaluation	
Assessment Tool	Weight
Semester works	50%
Final exam	50%

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