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

OPT.341 Visual Perception
First Semester 2023-2024

Course Catalog
2 Credit Hours. The course addresses the cognitive and perceptual aspects of vision including theories of brightness perception, color vision, contrast sensitivity, spatial and temporal resolution, recognition of pattern and form, and the perception of flicker and motion.
Teaching Method: Blended

Text Book	
Title	Visual Perception
Author(s)	Schwartz
Edition	2nd Edition
Short Name	Ref#1
Other Information	

Instructor	
Name	**Mrs. Hala Abu Zahou**
Office Location	-
Office Hours	Sun : 08:30 - 10:30 Sun : 14:30 - 15:30 Tue : 14:30 - 15:30 Wed : 09:30 - 11:30 Thu : 10:00 - 14:00
Email	hrabuzahou5@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Mon : 10:00 - 11:00
Room: N4205

Prerequisites		
Line Number	**Course Name**	**Prerequisite Type**
1102340	OPT.234 Binocular Vision(1) Lab	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	**Topic**	**References**
Week 1	Introduction to Visual perception Light and eyes	From **Ref#1**
Week 2	Psychophysics of vision	From **Ref#1**
Week 3	Light and dark adaptation, Visual acuity	From **Ref#1**
Week 4	Contrast Sensitivity	From **Ref#1**
Week 5	Colour vision	From **Ref#1**
Week 6	Colour vision anomalies	From **Ref#1**
Week 7	Spatial summation & Temporal resolution Depth perception	From **Ref#1**
Week 8	Electrophysiology	From **Ref#1**
Week 9	Functional retinal physiology	From **Ref#1**
Week 10	Striate cortex	From **Ref#1**
Week 11	Striate cortex	From **Ref#1**
Week 12	Development and maturation of vision (clinical aspect)	From **Ref#1**

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Understand the clinical anatomy and physiology of the retina and the primary visual cortex	20%	
Study the principle of visual acuity measurement.	25%	
Study the principle of contrast sensitivity	15%	
Study the principle of colour vision.	20%	
know the concept of electrophysiology	10%	
Explain abnormal visual functions based on the psychophysical and perceptual aspects of vision	10%	

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

Evaluation	
Assessment Tool	**Weight**
First Exam	30%
Second Exam	30%
Final Exam	40%

Policy	
Statement on Professionalism	Professional behaviour is expected of students at all times. Attitude and professional behaviour is a minimum criterion for passing this class. Examples of unprofessional behaviour include but are not limited to: missing classes, tardiness, lack of attention for a speaker, talking to others during lectures, leaving a lecture before its completion without prior authorization of the instructor, working on other class material during class, and sleeping during class.
Cheating	University regulations will be applied to cases of cheating and/or plagiarism
Cell phone:	The use of cellular phones is prohibited in classrooms and during exams. The cellular phone must be switched off in classrooms and during exams.
Attendance	No points will be counted for points attendance in 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!
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 regulations for more details)
Make-up Exam	Make-up exams are 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 regulations for more details)
Feedback	Concerns, complaints, questions, and/or feedback are appreciated and will be important to the instructor. You can contact your instructor using the e-mail or during office hours

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