



Jordan University of Science and Technology
Faculty of Applied Medical Science
Department of Allied Medical Science / Optometry
Second Semester 2014
Course Syllabus

Course Information	
Course Title	Optometry theory & methods 1
Course Code	OPT 242
Prerequisites	OPT 215
Credit Hours	2 Hours (1 Theory, 1 Practical)
Instructor	Izdihar A. Salman
Office Location	
Office Hours	
E-mail	
Teaching Assistant(s)	None
Course Description	
<p>The students will learn to understand eye anatomy and schematic eye, the etiology, prevalence, signs, symptoms and treatment of different types of refractive errors, Guidelines for Prescribing Eyeglasses, and technique of using Retinoscope.</p> <p>Also the students will learn to understand the accommodation process, deferent methods of assessment and Presbyopia definition and prescribing.</p>	

Textbook One	
Title	Title The Eye Exam, Complete Guide
Author(s)	Author(s) Gary S. Schwartz
Publisher	SLACK Incorporated
Year	2006
Edition	1st edition

Textbook Two	
Title	The Retinoscopy Book: An Introductory Manual for Eye Care Professionals.
Author(s)	John M. Corboy MD
Publisher	Slack Incorporated
Year	2003
Edition	5th edition

Useful Resources
http://www.aoa.org/x4639.xml

Assessment		
Assessment	Expected Due Date	Percentage
First Exam Theoretical		15 %
First Exam Practical		15 %
Second Exam Theoretical		15 %
Second Exam Practical		15 %
Final Exam Theoretical		20 %
Final Exam Practical		20 %

Course Objectives
Understanding basic information regarding Eye anatomy and Histology
Understanding basic information regarding Schematic eye at a simple visual optics level
Understanding all information regarding Myopia: , Definition, prevalence, signs, symptoms and treatment
Understanding all information regarding Hyperopia: Definition, prevalence, signs, symptoms and treatment
Understanding all information regarding Astigmatism: Definition, prevalence, signs, symptoms and treatment
Understanding all information regarding the fundamental principle of Retinoscope.
Understanding all information regarding accommodation: neurology and assessment
Understanding all information regarding Presbyopia: Definition, prevalence, signs, symptoms and treatment

Teaching & Learning Methods
<ul style="list-style-type: none"> • Power point presentation using a computer, data show and screen. • Class discussion <p>Teaching duration:</p> <ul style="list-style-type: none"> • Duration: 14 weeks • Lectures: 14 lecture, 1hour each and 3 hour Written examination • Laboratory: 8 labs, 2 Hours each and 2 hour practical exam.

Learning Outcomes	
Objectives	Reference(s) Handouts
Understanding basic information regarding Eye anatomy and Histology	Eye Anatomy and Histology
Understanding basic information regarding Schematic eye at a simple visual optics level	Eye Optics
Understanding all information regarding Myopia: , Definition, prevalence, signs, symptoms and treatment	Myopia
Understanding all information regarding Hyperopia: Definition, prevalence, signs, symptoms and treatment	Hyperopia
Understanding all information regarding Astigmatism: Definition, prevalence, signs, symptoms and treatment	Astigmatism
Understanding all information regarding the fundamental principle of Retinoscope.	Retinoscope

Understanding all information regarding accommodation: neurology and assessment	Accommodation
Understanding all information regarding Presbyopia: Definition, prevalence, signs, symptoms and treatment	Presbyopia

Theoretical requirements	
Course Content	
Topics	Date
Eye Anatomy and Histology	
Eye Optics	
Myopia	
Myopia	
Retinoscope	
Hyperopia	
Holiday	
Astigmatism	
Accommodation and Presbyopia	

Laboratory requirements	
Topics	Date
Introduction to Retinoscope	
With and against Motion	
Sphere Neutralization	
Sphere cylinder Neutralization	
Sphere cylinder Neutralization	
Sphere cylinder Neutralization	
Sphere cylinder Neutralization	
Sphere cylinder Neutralization	

Additional Notes
<p>Attendance policy:</p> <ul style="list-style-type: none"> • JUST policy requires the faculty member to assign 35% if a student misses 10% of the classes without excuses. • When you are absent, it is your responsibility to find out about any announcements or assignments you may have missed. • The last day to drop the course is before the 12th week of the current semester. • The format of the exams is generally short essay questions. • Cheating will not be tolerated; standard JUST policy will be applied. <p>Expected workload: Students are expected to take every effort to ensure satisfactory learning of the material given.</p> <p>Feedback: Concerns or complaints should be expressed in the first instance to the course instructor. If no resolution is forthcoming then the issue should be brought to the attention of the Department Chair and if still unresolved to the Dean. Questions about the material covered in the lecture, notes on the content of the course, its teaching and assessment methods can be also sent by e-mail.</p>