



Jordan University of Science and Technology
Faculty of Medical allied Science
Department of Medical Applied Science / Optometry
First Semester 2013/2014
Course Syllabus

Course Information	
Course Title	Optometry theory & methods 2
Course Code	OPT 315
Prerequisites	OPT 242
Instructor	Izdihar A. Salman
E-mail	
Teaching Assistant(s)	None
Course Description	
Demonstrate knowledge of the clinical techniques for the primary examination of the optical status and ocular health of the eye. Examination includes taking patient history, visual acuity, determining the refractive state of the eye, binocular vision assessment (visual efficiency) and diagnosis of binocular anomalies and management.	

Textbook 1	
Title	Clinical Procedures for ocular examination
Author(s)	Nancy Carlson & Daniel Kurts.
Publisher	McGraw-Hill Medical
Year	2005
Edition	2nd edition

Textbook 2	
Title	Title The Eye Exam, Complete Guide
Author(s)	Author(s) Gary S. Schwartz
Publisher	SLACK Incorporated
Year	2006
Edition	1st edition

Textbook 3	
Title	Clinical Procedures in Primary Eye Care
Author(s)	Elliott.
Publisher	Butterworth-Heinemann
Year	2003
Edition	2nd edition

Useful Resources

<http://www.visiontherapiststories.org/>
<http://www.eyetec.net/index.htm>
<http://www.aoa.org/x4639.xml>

Assessment

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

Course Objectives

Course Objectives	Percentage
Understanding basic information regarding Refractive error	8.33%
Understanding basic information regarding Case history and documentation	8.33%
Understanding all information regarding visual acuity and assessment	8.33%
Understanding all information regarding Assessment of refractive error: subjective and objective methods	8.33%
Understanding all information regarding Assessment of binocular vision (visual efficiency) and treatment.	25%
Understanding all information regarding Treatment of binocular vision	8.33%
Understanding all information regarding Anisometropia: Assessment and management	8.33%
Understanding and solving specific problems	8.33%

Teaching & Learning Methods

The lectures will be supported visually by MS PowerPoint presentations. The students will receive the text of the presentation in a handout on the day of the lecture. In addition, students are expected to take their own notes

Teaching duration:

- Duration: 14 weeks
- Lectures: 28 lecture, 1 hour each and 2 hour examination
- Laboratory: 14 labs, 4 Hours each.

Learning Outcomes: Upon successful completion of this course, students will be able to

Objectives	Reference(s) Handouts
Understanding basic information regarding Refractive error	Handout
Understanding basic information regarding Case history and documentation	Handout
Understanding all information regarding visual acuity and assessment	Handout
Understanding all information regarding Assessment of refractive error: subjective and objective methods	Handout
Understanding all information regarding Assessment of binocular vision (visual efficiency).	Handout

Understanding all information regarding Treatment of binocular vision	Handout
Understanding all information regarding Anisometropia: Assessment and management	Handout
Understanding and solving specific problems	Handout

Theoretical requirements		
Course Content		
Topics	Week	Date
Overview of type of refractive error		
Case history and documentation		
visual acuity and assessment		
Keratometer and retinoscope		
Assessment of refractive error: subjective		
First exam		
Assessment of binocular vision (visual efficiency)		
Accommodation		
Presbyopia		
Second exam		
Anisometropia: Assessment and management		
Understanding and solving specific problems		
Treatment of binocular vision		

Laboratory requirements		
Topics	Week	Date
Retinoscope		
Eid Adha		
Case history and documentation		
visual acuity and assessment		
Keratometer and retinoscope		
Assessment of refractive error: subjective		
First exam		
Assessment of binocular vision (visual efficiency)		
Second exam		
Objectives & Subjective & Binocular assessments		
Objectives & Subjective & Binocular assessments		
Objectives & Subjective & Binocular assessments		
Objectives & Subjective & Binocular assessments		
Final Practical		

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.

Expected workload:

Students are expected to take every effort to ensure satisfactory learning of the material given.

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.