



Jordan University of Science and Technology

Faculty of Applied Medical Sciences

Department of Allied Medical Sciences

First semester 2013/2014

Course Syllabus

Course Information	
Course Title	Ophthalmic lenses & dispensing/ 2
Course Code	OPT 357
Prerequisites	OPT 226
Time	
Place	M3304
Instructor	Miss Dana N. Koff
Office location	The new Building/ Previous library building
Office Phone #	
Office Hour	
E mail (s)	dnkoff@ just.edu.jo
Teaching Assistant (s)	
Course Description	
This course includes basic understanding of preparation, delivery and repair of spectacles. The course is laboratory based requiring development and demonstration of knowledge and skills.	

Textbook	
Title	Bennett's Ophthalmic Prescription Work
Author (s)	Bennett Arthur G
Publisher	Butterworth-Heinemann
Year	1994
Edition	3 rd edition
Other references	
1. Title	Ophthalmic lenses and dispensing

Author (s)	Mo Jalie
Publisher	Butterworth-Heinemann
Year	2003
Edition	2 nd edition
2. Title	System for Ophthalmic dispensing
Author (s)	Brooks & Borish
publisher	Butterworth-Heinemann
Year	1996
Edition	2 nd edition

Assessment		
Assessment	Expected Due Date	Percentage
(Written exam)		20%
(Practical exam)		40%
Attendance	More than 10% of the misses that are not excused will result in failure of this course and you'll be given (35%) which is the University zero.	
Assignments	Continuous assignments, set solving problems and quizzes might be given during the course.	
Participation	Excellent participation is expected	
Final exam		40% (10% Final, 30%Practical)

Course Objectives	Percentage
1. Learn the skills of spectacle preparation of glasses.	20%
2. To be familiar with the skills of delivering and repairing spectacles.	25%
3. Learn the methods of glazing various types of lenses.	15%
4. Gain an adequate knowledge on the principles of spectacles dispensing with prisms.	20%
5. Understand the principle of dispensing Bi and Multifocal lenses.	10%
6. Learn more about absorptive lenses: The types and indications	10%

Teaching & Learning Methods
<p>The course is a laboratory based one requiring the development and demonstration of both knowledge and skills. Discussion will take place before each lab session to clarify unclear points.</p> <p>Teaching duration:</p> <ul style="list-style-type: none"> • Duration: 16 weeks • Lectures: 1 lecture/ Week, 1 hour each. • Laboratory: 8 hours/ Week.

Learning Outcomes: Upon successful completion of this course, students will be able to:			
Related Objective (s)			
1.	Apply optical principles on spectacles dispensing.		
2.	Deliver spectacles according to ophthalmic prescription.		
3.	Adjust and repair frames using manual, thermal methods of repairing.		
4.	Apply optical principles on dispensing spectacles with prisms, apply prentices rule for proper displacement of the optical centers. Use frenal prisms for special purposes spectacles.		
5.	Dispense special type of spectacles: Bifocal and progressive based on a given prescription.		
6.	Prescribe special types of lenses (Absorptive lenses, filters, polarized lenses).		
		Course Content	
Week	Date	Topics	Text book (handouts)
1		Introduction to the course	
2		Frame measurements and markings (1)	Handouts
3		Frame measurements and markings (2)	Handouts
4		Public holiday	-----
5		The base curve, back vertex distance and decentration of the lens	Handouts
6		Decentration	Handouts
7		Standard alignment and adjusting the frame.	Handouts
8		Adjustment and dispensing eyewear.	Handouts
9		The written exam of the course	-----
10		Optical prisms	Handouts
11		Marking and edging lenses with prism, frenal prism	Handouts
12		Multifocal lenses: Image jump, slab-off design, marking for edging prisms	Handouts
13		Progressive lenses verification and edging	Handouts
14		Absorptive, safety and	Handouts

		special lens designs	
15		Repairs	Handouts
16		Course review	Handouts
Week 15		(Practical exam)	

Additional Notes

Attendance policy:

- Students are expected to attend more than 90% of lectures.
- If absence is more than 10% student will be banned from the course.
- J.U.S.T policy requires the faculty member to assign Zero grade (35%) if a student misses 10% of the classes that are not excused.
- If you miss any class, it is your responsibility to find out about any announcements or assignments you may have missed.

Expected workload:

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

- The format of the exams is generally (but not always) as follows: Multiple choices and short essay questions.
- **Cheating:** The commitment of the acts of cheating and deceit such as copying during the examination is dishonest and will not be tolerated; standard J.U.S.T policy will be applied.

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 to the following address:

dnkoff@just.edu.jo