



Course Specification

(Bachelor)

Course Title: **Contact Lenses II**

Course Code: **APOP4103**

Program: **Optician Program**

Department: **Applied College**

College: **Applied College**

Institution: **Umm Al-Qura University**

Version: **1**

Last Revision Date: **January 2025**

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A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: 2nd level -1st year

4. Course General Description:

1. Course Description

Contact Lenses II is an advanced course that builds on the foundational knowledge gained in Contact Lenses I, diving deeper into the complexities of contact lens fitting, advanced lens types, and the management of specialized visual conditions. This course covers the clinical application of contact lenses, advanced fitting techniques, and the handling of more complex cases such as keratoconus, post-surgical eyes, and patients with high refractive errors. It also focuses on the latest innovations in contact lens technology, such as multifocal and hybrid lenses, and prepares students to address complications and provide high-quality care for diverse patient needs.

5. Pre-requirements for this course (if any)

Contact Lenses I 2104

6. Co-requisites for this course (if any):

7. Course Main Objective(s):

This course will provide the student with comprehensive instruction designed to continue the contact lens education started in contact lenses 1. A more detailed instructional experience which will allow the student to be more familiar with the many phases of contact lens design, care and fitting

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	5	100%
2	E-learning		





No	Mode of Instruction	Contact Hours	Percentage
3	Hybrid <ul style="list-style-type: none"> Traditional classroom E-learning 		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	2x15=30
2.	Laboratory/Studio	3x14=42
3.	Field	
4.	Tutorial	
5.	Others (specify)	
Total		72

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Identify various types of contact lenses.	K.4	Lecture, interactive session	- Assignments - Written exam
1.2	Identify various types of refractive status.	K.3	Lecture, interactive session	- Assignments - Written exam
2.0	Skills			
2.1	Prepare different types of contact lenses as fitting rigid and soft contact lenses	S.1	Hands-on practice, Interactive session	- Assignments - Written exam
2.2	Identify the different types of the contact lens after it is received from the laboratory	S.1	Hands-on practice, Interactive session	- Assignments - Written exam
3.0	Values, autonomy, and responsibility			





Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
3.1	Work independently to Differentiate between the different types and materials of contact lenses.	V.1	Interactive session Lab activities	Presentation practice

C. Course Content

No	List of Topics	Contact Hours	
		lecture	lab
1	Depth study of theory of fitting.	2	3
2	Who need contact lenses?	2	3
3	The method of fitting soft contact lenses.	2	3
4	The method of fitting rigid contact lenses.	2	3
5	Verification of the contact lens after it is received from the laboratory.	2	3
6	Contact lens prescription.	2	3
7	Problems of contact lenses.	2	3
8	Analysis of the patient's eye glasses prescription.	2	3
9	Analysis of the patient's eye glasses prescription.	2	3
10	The fitting of astigmatism	2	3
11	Monovision contact lenses for presbyopia.	2	3
12	Monovision contact lenses for presbyopia.	2	3
13	Complications in wearing contact lenses.	2	3
14	Complications in wearing contact lenses.	2	3
15	Review	2	
Sub- total		30	42
Total		72	



D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1	Quizzes	5	10
2	Mid-Term Exam	8	20
3	Presentations and homework	All week	10
4	Lab Reports	All week	10
5	Final Exam (practical)	13	10
6	Final Exam	16	40

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	<p>Stein, H.A., Slatt, B.J, and Stein R.M. (1990). <u>FITTING GUIDE FOR RIGID</u></p> <p>Stein, H.A., Slatt, B.J, and Stein R.M. (1990). <u>FITTING GUIDE FOR RIGID AND</u></p> <p><u>SOFT CONTACT LENSES A Practical Approach</u> (Third Edition). St. Louis, Baltimore. Philadelphia. Toronto: C.V. Mosby Company AND</p> <p><u>SOFT CONTACT LENSES A Practical Approach</u> (Third Edition). St. Louis, Baltimore. Philadelphia. Toronto: C.V. Mosby Company</p> <p>Contact Lens Practice (Third Edition). Nathan Efron, 2017</p>
Supportive References	Course notes on the E-learning web-site
Electronic Materials	http://www.aaopt.org/ https://www.apnaahangout.com/optometry/
Other Learning Materials	

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	1 classroom 1 laboratory
Technology equipment (projector, smart board, software)	Smart Board, data show
Other equipment (depending on the nature of the specialty)	



F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	Questioner of course quality
Effectiveness of assessment methods.	Peer reviewers	-Random grading report -Test Completion Report for test Standards
Extent of achievement of course learning outcomes	Program leaders and Course coordinator	Results of quizzes, mid-term and final exams.
Quality of learning resources	Students	Questioner of sufficiency of learning resources
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Umm Al-Qura University Council
REFERENCE NO.	851141114462/190386
DATE	1446/11/22

