



Course Specification

(Bachelor)

Course Title: **CONTACT LENSES I**

Course Code: **APOP2104**

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:

Contact Lenses I is an introductory course that focuses on the fundamentals of contact lenses, providing students with a comprehensive understanding of the design, function, fitting, and maintenance of contact lenses. This course lays the foundation for more advanced studies in contact lens practice, covering the basic principles of contact lens types, their materials, and how to select and fit them for different patients. Students also learn about patient education and contact lens care, preparing them for more practical and clinical aspects in future courses

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

Ophthalmic lenses APOP1104

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

7. Course Main Objective(s):

To describe types of contact lenses and to know advantage & disadvantage contact lenses

2. Teaching mode (mark all that apply)

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





No	Mode of Instruction	Contact Hours	Percentage
	<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	Differentiate between the different types and materials of contact lenses.	K.4	Lecture, interactive session	Written exam
1.2	List different methods used to determine the quality of contact lenses.	K.3	Lecture, interactive session	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	Written exam
2.2	Identify the different types of the contact lens after it is received from the laboratory	S.3	Hands-on practice, Interactive session	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 cooperatively in a small group environment	V.1	Interactive session Lab activities	presentation
3.2				

C

No	List of Topics	Contact Hours
		Lecture & practice
1	Define contact lenses.	10
2	Terminology used for contact lens.	5
3	Advantage & disadvantage contact lenses.	5
4	Types of contact lenses	5
5	Types of contact lenses	5
6	Material of contact lenses.	5
7	The ocular environment, the challenge for a biomaterial.	5
8	Analysis of the patients' eye glass prescription.	5
9	Contact lens prescription.	5
10	The fitting of contact lenses.	10
11	Research.	5
12	Evaluation.	5
13	Review	2
14		
15		
Sub- total		72
Total		30





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 weak	10
4	Lab Reports	All weak	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</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

