



Course Specification

(Bachelor)

Course Title: **Ophthalmic Dispensing I**

Course Code: **APOP2103**

Program: **Optician Diploma**

Department: *Enter Department Name .*

College: **Applied Collage**

Institution: **Umm-Al-Qura University**

Version: **1**

Last Revision Date: **8 December 2024**

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A. General information about the course:

1. Course Identification

1. Credit hours: (3H)

3 credit hrs = 2 theoretical + 1 practical

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:

This course structure provides a balance of theoretical understanding, hands-on practice, and professional development, ensuring students are well-prepared for careers in ophthalmic dispensing.

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

Ophthalmic lenses (APOP1104)

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

NA

7. Course Main Objective(s):

Be the end of the course, students should to:

- 1- Develop an understanding of optical prescriptions and how to interpret them for lens and frame selection.
- 2- Teach students the principles of fitting and adjusting eyeglasses to optimize comfort and functionality.
- 3- Provide training in using tools and instruments for optical dispensing, such as pupilometers, lensometers, and frame alignment tools.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	42
2	E-learning		
3	Hybrid <ul style="list-style-type: none"> Traditional classroom E-learning 		
4	Distance learning		
5	Lab	42	58



3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30
2.	Laboratory/Studio	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	Explain the principles of optical prescriptions and how to translate them into lens and frame specifications.	K3	Interactive Lecturing	Examinations
1.2	Identify the types and components of ophthalmic lenses and frames.	K4	Interactive Lecturing	Examinations
1.3	Understand optical measurements, including pupillary distance (PD), optical center alignment, and lens decentration	K1	Interactive Lecturing	Examinations
2.0	Skills			
2.1	Accurately interpret and transcribe prescriptions into lens orders.	S1	Lectures and labs	Written exam Practical exam
2.2	Perform precise optical measurements using standard tools and techniques	S1	Lectures and labs	Written exam Practical exam
2.3	Use a lensometer to verify lens power and alignment	S3	Lectures and labs	Written exam Practical exam
3.0	Values, autonomy, and responsibility			
3.1	Commit to continuous learning and staying updated on new technologies and industry trends.	V2	Lab activities	Participation Reports
3.2	Work cooperatively in a small group environment	V1	Lab activities	Participation Reports

C. Course Content

No	List of Topics	Contact Hours
1.	Introduction to Ophthalmic Dispensing	5
2.	Optical Prescriptions	5
3	Types of Lenses and Frames	5
4	Lens Measurements and Optical Parameters	5
5	Tools and Equipment in Optical Dispensing	5
6	Fitting Techniques	5
7	Lens Verification	5
8	Progressive and Multifocal Lens Dispensing	5
9	Frame Adjustments and Repairs	5
10	Pediatric and Special Needs Dispensing	5
11	Occupational and Sports Eyewear	5
12	Patient Counseling and Communication	5
13	Standards and Quality Assurance	5
14	Trends and Innovations in Ophthalmic Dispensing	5
15	Review and Assessment	3
Total		72

D. Students Assessment Activities

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

E. Learning Resources and Facilities

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	1 - 14	10
4.	Lab Reports	1 - 14	10
4.	Final Exam (practical)	13	10
5.	Final Exam	16	40

1. References and Learning Resources

Essential References	"System for Ophthalmic Dispensing" by Clifford W. Brooks and Irvin M. Borish
Supportive References	
Electronic Materials	



Other Learning Materials

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classrooms and laboratorie
Technology equipment (Projector, smart board, software)	Projector
Other equipment (Depending on the nature of the specialty)	Generator, polishing and finning machine

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students and Faculty	Curse report, annual report, survey and results
Effectiveness of students assessment	Faculty and Program Leaders	Curse report, annual report, survey and results
Quality of learning resources	Students, Faculty and Program Leaders	Curse report, annual report, survey and results
The extent to which CLOs have been achieved	Faculty and Program Leaders	Curse report, annual report, survey and results
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

