



Course Specification

(Bachelor)

Course Title: Clinical Methods I
Course Code: APOP3101
Program: Optician Program
Department: Applied college
College: Applied college
Institution: Umm Al-Qura University
Version: 1
Last Revision Date: Jan 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: 3rd level – 2nd year

4. Course General Description:

Clinical Methods I is an introductory course designed to teach students the fundamental clinical skills required in the field of optometry and vision care. The course focuses on basic clinical procedures, techniques, and the use of diagnostic tools that are essential for conducting eye examinations and patient care. Students will learn how to perform visual assessments, understand patient history, and practice basic clinical procedures in a hands-on, supervised environment. This foundational course prepares students to work in clinical settings and provides the groundwork for more advanced clinical training.

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

Ocular Anatomy & Physiology APOP1102

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

7. Course Main Objective(s):

To gain the students:

- 1- **Introductory knowledge about the description and function of the extra ocular muscles and the disease related to them**

Skills to measure the refraction error by auto refractometer, and visual acuity

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	Explain the structure and functions of different equipment (visual chart – refractometer) used in an optical center.	K4	Lecture, interactive session	- Assignments - Written exam
1.2	Identify deferent types of refractive errors	K2	Lecture, interactive session	- Assignments - Written exam
1.3	List different methods used to determine the quality of ophthalmic lenses.	K4	Lecture, interactive session	- Assignments - Written exam
2.0	Skills			
2.1	Measure the refraction errors and lenses power	S3	Hands-on practice, Interactive session	- Assignments - Written exam





Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
	using the auto refractometer and lens-meter.			
2.2	Measure the visual acuity by visual chart.	S1	Hands-on practice, Interactive session	- Assignments - Written exam
3.0	Values, autonomy, and responsibility			
3.1	Keep pace with advanced knowledge in the field of the refractive errors.	V1	Interactive session Lab activities	Presentaion practice

C. Course Content

No	List of Topics	Contact Hours	
		lecture	Lab
1	Take the patient case history	2	3
2	Parts of eye.	2	3
3	How Does The Human Eye Work	2	3
4	Extra ocular muscles.	2	3
5	cardinal positions of gaze	2	3
6	Strabismus (heterotropia)	2	3
7	The Maddox Rod Test	2	3
8	Amblyopia	2	3
9	Ophthalmological terminology.	2	3
10	Ophthalmic disease.	2	3
11	Fundus photography.	2	3
12	Fundus photography.	2	3
13	Biomicroscopy.	2	3
14	Glaucoma	2	3
15	Review	2	
Sub- total		30	42





Total	72
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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	Grosvenor, T.P.(1989).Primary care optometry. Elliott, David B. Clinical procedures in primary eye care E-Book. Elsevier Health Sciences, 2020.
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		
Effectiveness of Students assessment	Students	Questioner of course quality
Quality of learning resources	Peer reviewers	-Random grading report -Test Completion Report for test Standards
The extent to which CLOs have been achieved	Program leaders and Course coordinator	Results of quizzes, mid-term and final exams.
Other	Students	Questioner of sufficiency of learning resources

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

