



Course Specification

(Bachelor)

Course Title: Clinical Methods II

Course Code: APOP4103

Program: Optician Program

Department: Applied college

College: Applied college

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: (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 II is an advanced, hands-on course that builds upon the foundational skills acquired in Clinical Methods I. Students will develop a deeper understanding of diagnostic techniques, advanced clinical procedures, and patient care management. By mastering tools such as the slit lamp, tonometer, and ophthalmoscope, students will be well-prepared to handle more complex patient cases, manage ocular diseases, low vision, and improve patient outcomes in clinical settings. This course is essential for those aiming to excel in the optometry profession and advance to higher levels of clinical expertise

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

Clinical Methods I 3101

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

7. Course Main Objective(s):

To gain the students:

- 1- Introductory knowledge about eye diseases
- 2- Determine the refraction error and visual acuity
- 3- measure the refraction error by auto refractometer, maddox rod

2. Teaching mode (mark all that apply)





No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	5	100%
2	E-learning		
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 (Lensmeter–Keracometer - tray lenses) used in an optical center.	K4	Lecture, interactive session	- Assignments - Written exam
1.2	List different types of ophthalmic diseases.	K2	Lecture, interactive session	- Assignments - Written exam
1.3	Define color discrimination	K2	Lecture, interactive session	- Assignments - Written exam
2.0	Skills			





Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
2.1	Use the Keracometer to determine topography of corne	S1	Hands-on practice, Interactive session	- Assignments - Written exam
2.3	Apply color discrimination test	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	Presentation Examenation

C. Course Content

No	List of Topics	Contact Hours	
		lecture	lab
1	Visual acuity.	2	3
2	Visual skills of ocular motility and accommodation.	2	3
3	Determine Error Refraction.	2	3
4	Determine Error Refraction	2	3
5	Depth perception.	2	3
6	Binocular fusion	2	3
7	Color discrimination	2	3
8	Take the patient case history	2	3
9	Ophthalmic disease.	2	3
10	Ophthalmic disease.	2	3
11	Retinoscopy	2	3
12	Retinoscopy	2	3
13	Interpupillary distance.	2	3
14	Knowledge of instruments is required to become an ophthalmic assistant.	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. 1	Quizzes	5	10
2. 2	Mid-Term Exam	8	20
3. 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	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





Items	Resources
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

