

Course Description Form

1. Course Name: medical equipments					
2. Course Code:					
3. Semester / Year:1-2 2023/2024					
4. Description Preparation Date:2024-2023					
5. Available Attendance Forms: Daily attendance					
6. Number of Credit Hours (Total) / Number of Units 2 Hours (Total) 30 week					
7. Course administrator's name (mention all, if more than one name)					
Name: Safaa Mohammed Ridha Hussien					
Email: safaa_m333@yahoo.com					
8. Course Objectives					
Course Objectives	It includes a description of the subject, the purpose of studying it, and the philosophy of teaching it, as this course aims to study the principles of medical devices, the most important special laws in medical devices, the accuracy of their eye measurements, the importance of studying the methods of operating the devices and their classifications, and how to use them in identifying or treating special diseases in the eye for the sake of human health.				
9. Teaching and Learning Strategies					
Strategy	1. Education Strategy Collaborative Concept Planning 2- Brainstorming education strategy. 3. Education Strategy Notes Series 4- Presentation, training, discussion research and reports				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Knowledge	Introduction and general information	Use the whiteboard and display	Daily exam and oral questions

2	2	Knowledge	General consideration for maintaining ophthalmic instruments and ophthalmic instruments	Use the whiteboard and display	Daily exam and oral questions
3	2	Knowledge	decontamination	Use the whiteboard and display	Daily exam and oral questions
4	2	Knowledge	Ophthalmic instruments decontamination: (cleaning, disinfection, inspection, packaging, sterilization, transport)	Use the whiteboard and display	Daily exam and oral questions
5	2	Knowledge	Risk of transmission of infection in devices used in clinic Tonometry, diagnostic contact lenses, contact lenses	Use the whiteboard and display	Daily exam and oral questions
6	2	Knowledge	Test charts and trial case and frame	Use the whiteboard and display	Daily exam and oral questions
7	2	Knowledge	Retinoscope	Use the whiteboard and display	Daily exam and oral questions
8	2	Knowledge	Tonometer types, contact and non-contact	Use the whiteboard and display	Daily exam and oral questions
9	2	Knowledge	Lensometer	Use the whiteboard and display	Daily exam and oral questions

10	2	Knowledge	Retinoscope I	Use the whiteboard and display	Daily exam and oral questions
11	2	Knowledge	Lensometer II	Use the whiteboard and display	Daily exam and oral questions
12	2	Knowledge	Lensometer III	Use the whiteboard and display	Daily exam and oral questions
13	2	Knowledge	Revision	Use the whiteboard and display	Daily exam and oral questions
14	2	Knowledge	Exam	Use the whiteboard and display	Daily exam and oral questions
15			Lensometer II	Use the whiteboard and display	Daily exam and oral questions
16	2	Knowledge	Stigmatism I	Use the whiteboard and display	Daily exam and oral questions
17	2	Knowledge	Stigmatism II	Use the whiteboard and display	Daily exam and oral questions
18	2	Knowledge	Reading prescription for different types of glasses	Use the whiteboard and display	Daily exam and oral questions
19	2	Knowledge	Transposition	Use the whiteboard and display	Daily exam and oral questions
20	2	Knowledge	Introduction of low vision and types	Use the whiteboard and display	Daily exam and oral questions
21	2	Knowledge	Instrument and Device uses in low vision	Use the whiteboard and display	Daily exam and oral questions
22	2	Knowledge	Test of low vision (Far and Near)	Use the whiteboard and display	Daily exam and oral questions
23	2	Knowledge	Trial case	Use the whiteboard and display	Daily exam and oral questions

24	2	Knowledge	Visual field	Use the whiteboard and display	Daily exam and oral questions
25	2	Knowledge	Magnification on lenses	Use the whiteboard and display	Daily exam and oral questions
26	2	Knowledge	Trial case	Use the whiteboard and display	Daily exam and oral questions
27	2	Knowledge	Visual field	Use the whiteboard and display	Daily exam and oral questions
28	2	Knowledge	Examination of patients clinically , Corneal Topographer	Use the whiteboard and display	Daily exam and oral questions
29	2	Knowledge	Revision	Use the whiteboard and display	Daily exam and oral questions
30			Exam		

11.Course Evaluation

5 marks are calculated on reports
5 points are calculated on daily exams
5 degrees are calculated on the daily preparation
And the rest of the grade is for the monthly exams

12.Learning and Teaching Resources

Required textbooks (curricular books, if any)	Management of Refractive Errors & Prescription of Spectacles, ISBN 9789351528845, Speciality: Ophthalmology, Edition1/e, Publishing Year 2015, Pages 168, DOI10.5005/jp/books/12584
Main references (sources)	https://www.amazon.com/Medical-Equipment-Maintenance-Management-Engineering/dp/3031005279/ref=zg_bs_g_689818011_d_sccl_7/141-4195276-8385314?psc=1

Recommended books and references (scientific journals, reports...)	<u>Keith Willson, Keith Ison, Slavik Tabakov</u> <u>, Medical Equipment Management ISBN</u> <u>9781420099584</u> 344 Pages 30 B/W Illustrations Published December 4, 2013 by CRC Press
Electronic References, Websites	https://www.amazon.com/stores/Gerardus-Blokdyk/author/B071RZKFNK?ref=sr_ntt_srch_lnk_3&qid=1711746762&sr=1-3&isDramIntegrated=true&shoppingPortaIEnabled=true

Dr. Safaa Mohammed Ridha Hussien

a