Alexandria Technical and Community College

OPMT 2560: Ophthalmic Instrument Maintenance

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 2
Lab Hours/Week: 0
OJT Hours/Week: *

Prerequisites:
This course requires both of these prerequisites
OPMT 2510 - Eye Diseases and Ocular Emergencies (Number of Years Valid: 5)
OPMT 2520 - Ophthalmic Imaging Techniques (Number of Years Valid: 5)

Corequisites: None
MnTC Goals: None

This course introduces students to principles of routine care of ophthalmic instruments commonly used in an eye clinic. Instruction will include changing light bulbs; preventing misuse and damage; ordering supplies; and overseeing use of instruments in an eye clinic. Lab instruction will be supplemented and complemented by guest lecturers and field trips to a lab when available. These details will help the students in properly maintaining an eye exam lane.

B. COURSE EFFECTIVE DATES: 04/26/2022 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Understand the construction of ophthalmic instruments.
2. Maintain ophthalmic instruments.
3. Change replaceable parts.
4. Order supplies.
5. Know service providers in the area.
6. Prepare and deliver a 20-minute lecture on an ophthalmic instrument
   a. Plus 10 minutes for Q & A
   b. Research will include texts, manuals, publications, and online resources

D. LEARNING OUTCOMES (General)

1. Replace instrument parts.
2. Prepare and deliver a lecture.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted