

COURSE OUTLINE

OMA	OMA*101	Introduction to Ophthalmic Medical Assisting			3
Dept. Abbr.	Course No.	Course Title			Credits
Prepared by	ODD	Raymond Dennis	Raymond Dennis	Dr. Lin Lin	September 2015
	Department	Faculty	Program Coordinator	Academic Division Director	Date

<p>OMA*101, Introduction to Ophthalmic Medical Assisting (3 credits) This course introduces the role, scope, and duties of the ophthalmic assistant, including medical history-taking, preliminary patient examination, assessing visual fields, ophthalmic equipment, and office efficiency. Topics included will be the comprehensive eye exam and supplemental tests, lensometry and basic opticianry skills. It also introduces theoretical, clinical, physical and geometric optics, and provides an introduction to the types of vision loss and corrective devices used in Low Vision care. Prerequisite: Eligible for ENG*101 or ENG*101E</p>
<p><i>General Objectives of the Course</i></p>
<p>Upon completion of this course, the learner should be able to:</p> <ol style="list-style-type: none"> 1. List and describe the professionals that make up the eyecare team 2. Spell, define and use ophthalmic medical terms correctly 3. Elicit and record patient medical and ocular history information 4. Neutralize and record spectacle prescriptions using a manual and automated lensometer 5. Demonstrate the ability to do basic maintenance and calibration of commonly used ophthalmic equipment 6. Identify common and unusual vision errors 7. Define and describe the differences between objective and subjective refractometry 8. Define low vision and demonstrate how to evaluate a patient for low vision devices

Unit #	Instructional Unit	Specific Objectives of Unit Upon completion of this course the learner will be able to:
1.	Clinic and Personnel Functions	<ul style="list-style-type: none"> • Describe the professionals who make up the eye care team • Identify the general responsibilities of Ophthalmic Medical Personnel • Define the various levels of training and certification levels for Ophthalmic Medical Personnel. • Identify available ophthalmic services of the practice • Identify the scope of practice, training and education of members of the eye care team • Identify continuing education and professional development opportunities for OMP
2.	Medical Terminology	<ul style="list-style-type: none"> • Spell, define, and use ophthalmic medical terms correctly • Identify acceptable abbreviations (specifically related to clinical practice) • Use a medical dictionary
3.	History Taking	<ul style="list-style-type: none"> • Elicit and record the chief complaint/reason for visit • Elicit and record the history of the present eye problem or concern

		<ul style="list-style-type: none"> • Elicit and record medical and surgical history • Elicit and record family history • Elicit and record social history • Elicit and record the review of physical systems
4.	Lensometry	<ul style="list-style-type: none"> • Neutralize and record spectacle lenses using automated and manual lens meters • Describe spectacle prescription components
5.	Clinical Equipment and Supplies Maintenance	<ul style="list-style-type: none"> • Change batteries/bulbs in ophthalmic instruments • Maintain and calibrate ophthalmic equipment per manufacturer's recommendation • Maintain emergency equipment • Clean lenses and prisms • Order and maintain medical supplies inventory • Order and maintain patient education materials inventory • Maintain clinical equipment and supplies
6.	Clinical Optics	<ul style="list-style-type: none"> • Identify refractive errors: hyperopia, myopia, astigmatism, presbyopia • Describe accommodation and its relation to age • Describe the difference between cycloplegic and manifest refraction • Explain the difference between subjective and objective refractometry
7.	Low Vision	<ul style="list-style-type: none"> • Define low vision • Measure visual acuity of a low vision patient • Calculate approximate magnification needed to read a target acuity level • Describe the advantages and disadvantages of different low vision devices • Instruct patient in uses of low vision devices (optical and non-optical)
8.	Spectacle Skills	<ul style="list-style-type: none"> • Explain the different lens materials and their advantages and disadvantages • Explain single vision lenses • Explain bifocals and progressive add lenses • Explain requirements for safety lenses • Counsel patients regarding frame selection and care of glasses • Perform proper spectacle fitting • Measure interpupillary distance
9.	Ocular Motility	<ul style="list-style-type: none"> • Perform and record versions and ductions • Distinguish between phoria and tropia • Define motility prefixes: eso and exo, hyper and hypo • Perform and record cover and uncover tests in correct sequence and hypo • Perform and record the Krimsky and Hirschberg tests
10.	Physiological Optics	<ul style="list-style-type: none"> • Explain the principles of binocular vision and perform advanced color vision tests

COURSE SYLLABUS

Textbooks and other required readings/computer software/materials/library reserve room: None

Office Location (building/room number): Chapman Hall / Room 625

Office- (860) 343-5845 Home – (860) 345-3700

Office Hours: M, T, W, Th 9:30 - 11:00 and by appointment

Email: rdennis@mxcc.commnet.edu

Class Cancellation Policy:

Class Cancellation will be determined by the College administration, and will be disseminated by a variety of media outlets including both television and radio. (See information above)

Evaluation (exams, projects, etc., and percentages towards final grades):

Grades will be based on performance on class exams, class assignments and assessments, the final exam, and class participation. Computation of the grades will be as follows:

TEST #1 - 25%

TEST #2 - 25%

Assessments and homework - 20%

FINAL Exam - 25%

Class Participation – 5%

Letter Grade Equivalents

(A) 100 95	(B) 86 84	(C) 76 74	(D) 66 64
(A) 94 90	(B) 83 80	(C) 73 70	(D) 63 60
(B+) 89 87	(C+) 79 77	(D+) 69 67	(F) 59 and under

IMPORTANT COLLEGE POLICIES!! PLEASE READ CAREFULLY!

For information about the college's policies and procedures regarding academic honesty, accessibility/disability services, attendance, audio-recording in the classroom, grade appeals, plagiarism, religious accommodations, weather and emergency closings, and more, please go to the following website: www.mxcc.edu/catalog/syllabus-policies/ or scan the QR code with your smart phone. Also, please become familiar with the policies regarding nondiscrimination, sexual misconduct, and general student conduct at the following website: www.mxcc.edu/nondiscrimination/.



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have been designated to handle inquiries or complaints regarding non-discrimination policies and practices:

Primary Title IX Coordinator

*Dr. Adrienne Maslin; Dean of Students/Title IX and Section 504/ADA Coordinator
amaslin@mxc.edu; 860-343-5759; Founders Hall Room 123*

Secondary Title IX Coordinator

*Ms. Queen Fordham, Coordinator of the Meriden Center Welcome Desk
qfordham@mxc.edu; 203-608-3011.*