

**Optometry V551
Clinical Optometry I
Spring Semester, 2006**

Course Syllabus

Instructor: David A. Goss, O.D., Ph.D.

This course provides knowledge on the analysis and management of refractive anomalies. The primary goal of the course is to give the student theoretical and clinical background information for the diagnosis and management of refractive anomalies.

Class meeting time: 12:20 to 1:10 and 1:25 to 2:15 p.m., Monday, Room 105

Required textbook: Grosvenor T. Primary Care Optometry: Anomalies of Refraction and Binocular Vision, 4th edition. Boston: Butterworth-Heinemann, 2002.

Tentative schedule:

Date	Lecture topics	Required reading in Grosvenor
Jan. 9	Visual acuity	11-16
Jan. 23	Definitions and prevalence of refractive anomalies	16-31
Jan. 30	Prevalence of refractive anomalies and changes in refraction with age; emmetropization	31-62
Feb. 6	Myopia progression and theories of myopia etiology	62-80
Feb. 13	Myopia control	505-523
Feb. 20	Accommodation, convergence, binocular vision tests, presbyopia	96-104, 139-143, 275-279
Feb. 27	Examination #1	
March 6	Keratometry and corneal topography	223-233, 307-321
Spring Break		
March 20	Vision screening; Alternative visual acuity tests (guest lecturer: Kate Gray, O.D.)	137-139
March 27	Retinoscopy and automated refraction	233-251
April 3	Subjective refraction procedures	255-272
April 10	Clinical analysis of ametropia	325-329, 348-350
April 17	Amblyopia (guest lecturer: Don W. Lyon, O.D.)	108-109
April 24	Examination #2	205-212

Grading: Grades will be assigned based on performance on two hourly examinations and a short paper. The examinations may cover anything from the lectures or from the required reading. The course letter grade will be determined from:

Two hourly exams, 100 pts. each.....	200 points
Paper.....	<u>20 points</u>
Total	220 points

The grading scale will be:	A	93 to 100%
	A-	90 to 92.9%
	B+	87 to 89.9%
	B	83 to 86.9%
	B-	80 to 82.9%
	C+	77 to 79.9%
	C	73 to 76.9%
	C-	70 to 72.9%
	D+	67 to 69.9%
	D	63 to 66.9%
	D-	60 to 62.9%
	F	less than 60%

A paper on your “Refractive History” due April 10:

To help your understanding of refractive anomalies you are required to write a short paper (2 to 4 double spaced typewritten pages) on your own refractive error changes and corrections. Some of the items which can be included are:

1. When was your first eye and vision examination?
2. How did you become aware of your refractive condition?
3. When did you start wearing glasses and/or contact lenses?
4. What changes in symptoms, what you were able to see and do, etc., change when you got glasses?
5. If you know your refractive errors at different ages and/or the power of your glasses, these can be included in a table or a graph or part of the text.
6. Did your optometrist try any myopia control procedures?
7. What is your refractive family history?

If you are emmetropic, you can talk about whether or not you had risk factors for refractive error development, discuss more about your refractive family history, mention whether you wore glasses for other reasons (e.g., reading glasses), etc. The purpose of the paper is to relate principles and studies discussed in class to your own personal experience. Hand in two copies of the paper if you would like to have one copy returned.

Comments:

You are now in a professional program acquiring the knowledge, skills, and attributes required to provide care for optometry patients. Therefore, I expect a higher standard of effort, dedication, and decorum than what was expected of you in undergraduate school.

I do not take roll in lecture because it is a waste of valuable class time, and because part of the responsibility of being a student in a professional program is consistent attendance. If that responsibility is not met, additional writing projects may be assigned or unannounced quizzes may be administered.

There should be no competition between classmates. The optometric profession and optometry patients benefit the most if everyone does well.