

Optometry V755
Basic Vision Therapy
Spring Semester, 2007

Course Syllabus

Course description: Diagnosis, prognosis, and orthoptic treatment of anomalies of binocular vision, including the optical, motor, sensory, integrative, and perceptual systems.

Instructors: David A. Goss, OD, PhD; Douglas G. Horner, OD, PhD; Don W. Lyon, OD

Laboratory assistant: Grazyna Tondel, MD, PhD

Lecture meeting time: 10:00 am to 11:50 am, Wednesdays, Room 111

Laboratory sections: 1:00 to 2:50 pm, Wednesday; 3:00 to 4:50 pm, Wednesday;
8:00 to 9:50 am, Thursday; 10:00 to 11:50 am Thursday; Room 106

Textbook: Scheiman M, Wick B. Clinical Management of Binocular Vision: Heterophoric, Accommodative, and Eye Movement Disorders, Second Edition. Philadelphia: Lippincott, Williams, and Wilkins, 2002.

The course will consist of three parts, each taught by one instructor:

- a. non-strabismic binocular vision and accommodative disorders (Goss)
- b. amblyopia (Lyon)
- c. strabismus (Horner)

There will be one guest lecturer: Kyle Hoskins, OD

Tentative lecture schedule:

Date	Lecture topic	Instructor	Reading
Jan. 10	Review of case analysis; introduction to vision therapy procedures	Goss	98-145
Jan. 17	Training fusional vergence; Testing and training with stereoscopes	Goss	147-197, 223-332
Jan. 24	Training accommodation	Goss	199-210, 334-368
Jan. 31	Diagnosis and treatment of eye movement disorders	Goss	211-219, 370-389
Feb. 7	Computer training procedures; Suppression; vertical imbalances; Other topics	Goss	189-196, 392-423
Feb. 14	Vision therapy in a private practice	Hoskins	623-636
Feb. 21	EXAM #1		
Feb. 28	Amblyopia	Lyon	471-487
March 7	Amblyopia	Lyon	471-487
	Spring Break		

March 21	Monocular fixation; correspondence	Horner	
March 28	Comitancy	Horner	
April 4	Strabismus surgery	Horner	
April 11	Prism; managing constant strabismus	Horner	
April 18	Therapy outlines and cases	Horner	
April 25	EXAM #2		

Grading:

Grades will be assigned for the course based on two hourly examinations (100 points each) and the completion of write-ups for approximately 9 laboratory exercises (4 points each) for a total of 236 points. Questions on examinations can come from lecture material, reading assignments, or laboratory materials. All labs must be completed. 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%