

Vision Science III, Spring 2011 schedule

Week	Date	Day	Lecture/lab	Topic	References*
1	10-Jan	M	1	Course overview and introduction	
	10-Jan	M	2	Review of pupils	Notes, Adler's 14 Pupil
	10-Jan	T	3	Pupillary Pathways	Notes, Adler's 14 Pupil
	11-Jan	T	4	Accommodation	Notes, Adler's 11 Accom
	13-Jan	Th	Lab 1	Control systems, Pupils	
2	17-Jan	M		MLK OFF	Eye Mvmnt Ch 1
	17-Jan	M		MLK OFF	Eye Mvmnt Ch 1
	18-Jan	T		Eye Rotations, Intro to EOMs	Eye Mvmnt Ch 1
	18-Jan	T		Actions of EOMs	Eye Mvmnt Ch 1
	18-Jan	Th	Lab 2	Accommodation	
3	24-Jan	M	5	Laws Of Oculomotor control	Eye Mvmnt Ch 1
	24-Jan	M	6	Structure & Function EOMs, Strabismus Terminology	Eye Mvmnt Ch 1
	25-Jan	T	7	Diplopia, 3N Palsy	Eye Mvmnt Ch 12
	25-Jan	T	8	4N Palsy, 6N Palsy	Eye Mvmnt Ch 12
	27-Jan	Th	Lab 3	Palsy Simulation	
4	31-Jan	M	9	Multiple Nerve Palsies, Hperactivity	Eye Mvmnt Ch 12
	31-Jan	M	10	Ophthalmoplegia, EOM dysfunctions	Eye Mvmnt Ch 12
	1-Feb	T	11	Exam1	
	1-Feb	T	12	Exam 1, VOR System	Eye Mvmnt Ch 3
	3-Feb	Th	Lab 4	VOR and OKN	
5	7-Feb	M	13	VOR and OKN	Eye Mvmnt Ch 3
	7-Feb	M	14, 15	VOR and OKN	Eye Mvmnt Ch 3
	8-Feb	T		Saccadic System, Fixation	Eye Mvmnt Ch 4
	8-Feb	T	16, 17	Saccadic System, Fixation	Eye Mvmnt Ch 4
	10-Feb	Th	Lab 5	Saccadic System, Fixation	
6	14-Feb	M	18	Saccade System	Eye Mvmnt Ch 4
	14-Feb	M	19	Pursuits	Eye Mvmnt Ch 5
	15-Feb	T	20	Pursuits	Eye Mvmnt Ch 5
	15-Feb	T	21	Pursuits	Eye Mvmnt Ch 5
	17-Feb	Th	Lab 6	Pursuits	
7	21-Feb	M	22	Exam 2	
	21-Feb	M	23	Nystagmus	Eye Mvmnt Ch 7
	22-Feb	T	24	Nystagmus	Eye Mvmnt Ch 7
	22-Feb	T	25	Saccadic System Dyskinesia	Eye Mvmnt Ch 8
	24-Feb	Th	Lab 7	Evaluation of eye movements	
8	28-Feb	M	26	Saccadic System Dyskinesia, Other Involuntary Mv	Eye Mvmnt Ch 8
	28-Feb	M	27	Supranuclear & Internuclear Palsies	Eye Mvmnt Ch 9
	1-Mar	T	1	Introduction to binocular vision	S 1
	1-Mar	T	2	Visual direction I	R 1
	3-Mar	Th	Lab 8	Review of Midterm Exam	
9	7-Mar	M	3	Hering's laws, crossed/uncrossed disparity	
	7-Mar	M	4	Motor fusion & vergence eye movements	B 5, 20
	8-Mar	T		Dr. Namazi exam	
	8-Mar	T		Dr. Namazi exam	
	10-Mar	Th	Lab 1	Visual direction	
10	21-Mar	M	5	Combined vergences, sensory fusion, horopter	A 24; S 4; R 2
	21-Mar	M	6	The empirical horopter	A 24; S 4; R 2
	22-Mar	T	7	Introduction to fixation disparity	B 20; S 4
	22-Mar	T	8	Measuring fixation disparity	B 20; S 4
	24-Mar	Th	Lab 2	AFPP horopter	B 20, S 4
11	28-Mar	M	9	Fixation disparity types	B 20; S 4
	28-Mar	M	10	Bincocular summation	
	29-Mar	T	11	Ocular dominance	
	29-Mar	T	12	Depth perception	
	31-Mar	Th	Lab 3	Fixation disparity, Worth degrees of fusion	B 5; S 2; Re 13
12	4-Apr	M	13	Stereopsis	S 7
	4-Apr	M	14	Stereopsis II	
	5-Apr	T	15	Stereoscopic phenomena, stereograms	
	5-Apr	T	16	Review for Exam 1	
	7-Apr	Th	Lab 4	Stereoscopic threshold	
	8-Apr	F	17	Exam 1	Test at 11:00
13	11-Apr	M	18	Rivalry and suppression	B 5; 30
	12-Apr	T	19	Aniseikonia I and II	A 23; S 9; R 9
	12-Apr	T	20	Neurophysiology of binocular vision	A 23, 24; Schw 17
	14-Apr	Th	Lab 5	Eikonometry	
14	18-Apr	M	21	Normal development of binocular vision	A 23,24; S 9
	18-Apr	M	22	Deprivation, amblyopia, binocular anomalies	S 3; Griffin
	19-Apr	T	23	Eccentric fixation	A 23,24; B 28; S 9
	21-Apr	Th	Lab 6	Binocular vision phenomena	
15	25-Apr	M	24	Anomalous correspondence	
	26-Apr	T	25	Past pointing, Gestalt theory, figure-ground, etc.	Kandel
	26-Apr	T	26	Review	
	28-Apr	Th		Exam 2	
16	6-May	F		Final Exam	

* References: S=Steinman; R=Regan; A=Adlers; B=Borish; C=Ciuffreda; Schw=Schwartz.

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