

Spring 2001 Neuroscience PCB 603

(12/12/00)

Schedule

DAY	DATE	HOUR	TOPIC	CHAPTER (2nd ed.)	FACULTY
THU	JAN 11	10-12	Introduction	1	Dr. von Bartheld
			Electrical Signals	2,3,4	Dr. Kenyon
FRI	JAN 12	8-10	Neuromuscular Junction		Dr. Carl
WED	JAN 17	10-12	Autonomous Nervous System 1	21	Dr. Carl
		1-5	Neuroanatomy Lab 1 Ext./int. brain features 1		Dr. Stratton
FRI	JAN 19	8-10	Autonomous Nervous System 2	21	Dr. Carl
FRI	JAN 26	8-10	Neurotransmission 1	5, 6, 7, 8	Dr. Kenyon
		1-5	Neuroanatomy Lab 2 Ext./int. brain features 2		Dr. Stratton Dr. von Bartheld
MON	JAN 29	1-5	Neuroanatomy Lab 3 Slices/CSF/brainstem		Dr. Stratton Dr. von Bartheld
WED	JAN 31	10-12	Neurotransmission 2	5, 6, 7, 8	Dr. Kenyon
FRI	FEB 2	8:30-9:30	Neuroscience Exam 1		
MON	FEB 5	1-5	Neuroanatomy Lab 4 Pathways/Hippocampus		Dr. Stratton
WED	FEB 7	10-12	Somatic Sensory System Pain	9, 10	Dr. Kenyon
FRI	FEB 9	8-10	Vision 1	11, 12	Dr. Hume

MON	FEB 12	1-5	Neuroanatomy Lab 5 Review		Dr. Stratton
WED	FEB 14	10-12	Vision 2	11, 12	Dr. Hume
FRI	FEB 16	8-10	Auditory/Vestibular Senses	13, 14	Dr. Hume
WED	FEB 21	10-12	Chemical Senses	15	Dr. von Bartheld
FRI	FEB 23	8-10	Lab Review for Exam		Dr. Stratton
MON	FEB 26	1-5	Neuroanatomy Lab Exam		Dr. Stratton
WED	FEB 28	8-9 11-12	Eye Movements Strabismus	20	Dr. Kenyon Dr. Johnson
FRI	MAR 2	8-10	Spinal Cord/Motor Control	16	Dr. Peacock
WED	MAR 7	10-12	Descending Motor Control	17	Dr. Peacock
FRI	MAR 9	8-10	Basal Ganglia/ Cerebellum	18, 19	Dr. Peacock
WED	MAR 14	10-12	Review for Exam		
FRI	MAR 16	8-10	Neuroscience Exam 2		
	MAR 19-23		SPRING BREAK		
WED	MAR 28	10-12	Development	22, 23	Dr. von Bartheld
FRI	MAR 30	8-10	Plasticity	24, 25	Dr. von Bartheld
WED	APR 4	10-12	Regeneration		Dr. von Bartheld
FRI	APR 6	8-10	Cognition	26	Dr. Young

WED	APR 11	10-12	Language	27	Dr. Young
FRI	APR 13	8-10	Memory	31	Dr. Goodman
MON	APR 16	1-5	Cranial Nerves		Dr. Stratton
WED	APR 18	10-12	Aging/Alzheimers	31	Dr. Goodman
FRI	APR 20	8-10	Emotions/Limbic system/ Hypothalamus	29	Dr. Piasecki
MON	APR 23	1-5	Sexuality/Addiction	30	Dr. Piasecki
WED	APR 25	10-12	Stroke		Dr. Eaton
FRI	APR 27	8-10	Practice: Question/Answers	28	Dr. Carl
WED	MAY 2	10-12	Cancelled-Recovery Time		
		1-4	Trauma/Epilepsy/Brain Tumors		Dr. Bloch
FRI	MAY 4	8-10	Review for Exam		Faculty
WED	MAY 9	8-10	Neuroscience Exam 3		

Neuroscience Faculty

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Course Materials

We will use two books for this course, and it is highly recommended that you purchase them. The first is D. Purves' Neuroscience (Sinauer). The 2nd edition just appeared, and it is available at the ASUN bookstore for \$76.95. If you have the first edition, that will suffice, some of the faculty will still use the older edition for teaching, since the new edition has become available only a few weeks ago.

Second, we will use the Brain Atlas by J . Hanaway (Fitzgerald). It is available for \$36.95. The atlas will be necessary in the wet brain lab, and as a reference throughout the course.

Dr. Stratton will prepare a dissection guide for the wet brain lab.

Some of the faculty will make their slides or presentations available on the web, others will provide you with hand-outs or a syllabus. I will encourage each faculty to post learning goals for their topics.

Exams

The course grade will be determined by four exams. The neuroanatomy wet lab exam will make up 20% of the total. Dr. Stratton prepares and grades those questions.

The Neuroscience (Lecture) Exams 1, 2 and 3 together will make up a total of 80% of the grade. In general, there will be 2-3 questions/hour of lecture, up to a total of 150-180 questions. The first exam (about 30 questions) will count for 15% of the grade, the second (about 60 questions) will count for 30% of the grade, and the third exam (about 70 questions) will count for 35% of the grade. Together with the 20% from the wet lab exam, that amounts to 100%.

Grades will be an A for at least 90%, a B for at least 80%, and a C for at least 70%. You will need 70% to pass this course.

The course coordinator will take the liberty to include in exams 2 and 3 very few questions on topics already covered in the first two exams. This will provide information about how much information actually was retained longer-term and provides an incentive not to forget the learning material immediately after the exam.