Systems Neuroscience 611

Date	*Topic*	*Instructor*
Neuroanatomy		
1/20/16	W: Neuroanatomy I: vascular supply and blood brain barrier	Thorne
1/22/16	F: Neuroanatomy lab 1: major subdivisions of the brain	Yin/Koenigs/Thorne/Huang
1/25/16	M: Neuroanatomy II: methodology and spinal cord	Yin
1/27/16	W: Neuroanatomy III: brainstem I	Yin
1/29/16	F: Neuroanatomy lab 2: spinal cord and brainstem	Yin/Thorne/Luis
2/1/16	M: Neuroanatomy IV: brainstem II	Yin
2/3/16	W: Neuroanatomy V: thalamus	Yin
2/5/16	F: Neuroanatomy lab 3: brainstem/thalamus	Yin/Thorne/Huang/Luis
Perception		
2/8/16	M: Somatosensory I: receptors and spinal cord pathways	Huang
2/10/16	W: Somatosensory II: central somatosensory system	Huang
2/12/16	F: Somatosensory discussion	Huang
2/15/16	M: Vision I	Huang
2/17/16	W: Vision II	Huang
2/19/16	F: Vision discussion	Huang
2/22/16	M: Higher order visual processing I	Huang
2/24/16	W: Higher order visual processing II	Huang
2/26/16	F: Neuroanatomy lab 4: forebrain and limbic system	Yin/Koenigs/Thorne/Luis
2/29/16	M: Neuroanatomy: cortex	Yin
3/2/16	W: Audition I: peripheral auditory system	Huang
3/4/16	F: Higher vision discussion	Huang
3/7/16	M: Audition II: central auditory system	Huang
3/9/16	W: Vestibular and chemical senses	Huang
3/11/16	F: Audition discussion	Huang
3/14/16	M: Brain imaging	Birn
3/16/16	Wednesday AM: **Midterm exam**	
3/18/16	F: Clinical correlation (AM only)	Kuo
3/19-3/27	**Spring break**	
Higher function & behavior		
3/28/16	M: Learning and memory I	Baldo
3/30/16	W: Learning and memory II	Baldo
4/1/16	F: Learning and memory discussion	Baldo

Date	*Topic*	*Instructor*
4/4/16	M: Executive function I	Baldo
4/6/16	W: Executive function II	Baldo
4/8/16	F: Executive function discussion	Baldo
4/11/16	M: Motivation and emotion I	Bakshi
4/13/16	W: Motivation and emotion II	Bakshi
4/15/16	F: Motivation and emotion discussion	Bakshi
4/18/16	M: Motivation and emotion III	Bakshi
4/20/16	W: Motivation and emotion IV	Bakshi
4/22/16	F: Motivation and emotion discussion	Bakshi
Action		
4/25/16	M: Motor system: spinal cord and descending motor systems	Populin
4/27/16	W: Motor system II: cerebellum	Populin
4/29/16	F: Motor system III: basal ganglia (AM only)	Populin
5/2/16	M: Motor IV: cortical motor systems	Populin
5/4/16	W: Motor V: oculomotor system	Populin
5/6/16	F: Motor system discussion and clinical correlation	Populin
5/11/16	Wednesday AM: **Final exam** (semi-cumulative)	

Credits: 4 hours
Lectures: 10-11:30 AM on MW in 3265 MSC
Labs: 10-12 AM or 12 – 2 PM in 3330 MSC
Discussion: 10-12 AM or 12-2 PM in 3265 MSC

Course website on Learn@UW
Recommended textbooks:

The Human Brain: An Introduction to Its Functional Anatomy by Nolte.; Elsevier, 2009.
Neuroanatomy by Haines; sixth or seventh edition, Williams and Wilkins, 2004 or 2009.

Other suggested textbooks:

Principles of Neural Science by Kandel et al.; Elsevier, 2000 or newer.
Neuroscience by Purves et al.; Sinauer Assoc., 2004 or newer.
Biological Psychology by Rosenzweig, Leiman and Breedlove; Sinauer Assoc., 1999.

Grading:

Midterm examination – closed book in class (40%), Wednesday, March 16, 2016
Final examination – closed book in class (~52%), Wednesday, May 11, 2016
Class participation and quizzes (~8%)

Instructors: (append “wisc.edu” to email addresses)

Xin Huang (director)	Neuroscience	265-2744	xin.huang@
Robert Thorne	Pharmacy	890-3508	robert.thorne@
Tom Yin	Neuroscience	262-0368	tcyin@
Mike Koenigs	Psychiatry	263-1679	mrkoenigs@
Rasmus Birn	Psychiatry	265-5609	rbirn@
John S. Kuo	Neurosurgery	263-1410	j.kuo@ neurosurgery.
Brian Baldo	Psychiatry	263-4019	babaldo@
Vaishali Bakshi	Psychiatry	265-6062	vbakshi@
Luis Populin	Neuroscience	265-6451	lpopulin@