



**SCHEDULE OF TOPICS**

<b>Date</b>	<b>Topic</b>	<b>Readings</b>
<b>SECTION I: THE (RODENT) BRAIN</b>		
Jan. 4	Introduction I: The course	Abbott 2010
Jan. 7	Introduction II: Rats as model to study brain & behavior	Kolb & Tees 1990
Jan. 11	Enrichment and brain functions I: Fundamentals	Rosenzweig & Bennett 1996
Jan. 14	Dr. A. Winterborn: Animal use in research and teaching	Handout
Jan. 18	Enrichment and brain functions II: Applications	Wurbel & Garner 2007
Jan. 21	Enrichment and brain functions III: The human brain	TBA
<b>SECTION II: LEARNING AND MEMORY</b>		
Jan. 25	Memory and space I: Systems and behavior	Squire 2004
Jan. 28	Memory and space II: Synaptic mechanisms	Morris 2013
Feb. 1	NeuroTopic #1: Enrichment and the brain (presentations)...	
Feb. 4	...presentations continued	
Feb. 8	The emotional brain I: "Fear and Anxiety"	TBA
Feb. 11	The emotional brain II: Emotion and memory	McGaugh 2000
Feb. 15-21	<b>READING WEEK: NO CLASSES</b>	
Feb. 22	NeuroTopic #2: Memory and emotion (presentations)	
Feb. 25	... continued	
<b>SECTION III: COMPLEX SYSTEMS AND BRAIN STATES</b>		
Feb. 29	Neurogenesis I: History, evidence, and functions	Leuner 2006
Mar. 3	Neurogenesis II: The "Depression Link"	Miller & Hen 2015
Mar. 7	<b>NO CLASS</b>	
Mar. 10	Rhythms of the brain I	Ahmed & Cash 2013
Mar. 14	Rhythms of the brain II	Wagner 2001
Mar. 17	The question of "consciousness"	Vanderwolf 1998
Mar. 21	NeuroTopic #3: Complex brain states (presentations)	
Mar. 24	...continued	
Mar. 28	<b>NO CLASS</b>	
Mar. 31		

Exam period: **FINAL EXAM**

## **Academic Integrity**

Academic integrity is constituted by the five core fundamental values of honesty, trust, fairness, respect and responsibility (see [http://www.academicintegrity.org/fundamental\\_values\\_project/index.php](http://www.academicintegrity.org/fundamental_values_project/index.php)). These values are central to the building, nurturing and sustaining of an academic community in which all members of the community will thrive. Adherence to the values expressed through academic integrity forms a foundation for the "freedom of inquiry and exchange of ideas" essential to the intellectual life of the University (see the Senate [Report on Principles and Priorities](#))

Students are responsible for familiarizing themselves with the regulations concerning academic integrity and for ensuring that their assignments conform to the principles of academic integrity. Information on academic integrity is available in the Arts and Science Calendar (see [Academic Regulation 1](#)), on the Arts and Science website (see <http://www.queensu.ca/artsci/academics/academic-integrity>), and from the instructor of this course.

Departures from academic integrity include plagiarism, use of unauthorized materials, facilitation, forgery and falsification, and are antithetical to the development of an academic community at Queen's. Given the seriousness of these matters, actions which contravene the regulation on academic integrity carry sanctions that can range from a warning or the loss of grades on an assignment to the failure of a course to a requirement to withdraw from the university.

Web-based academic resources: <http://www.asus.queensu.ca/acsfacts>

Academic integrity regulations: <http://www.queensu.ca/artsci/integrity/instructor/education.html>

## **Disability Accommodations Statement**

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