### COURSE ORGANIZATION

#### Week 1
- **Jan 23**  
  **T**  
  Introduction to Brain and Behavior  
  Reading: Chapter 1
- **Jan 25**  
  **R**  
  History of neuroscience
- **Lab**  
  NO LAB THIS WEEK

#### Week 2
- **Jan 30**  
  **T**  
  Organization of the brain and nervous system  
  Reading: Chapter 2
- **Feb 1**  
  **R**  
  Neurons and neural communication
- **Lab**  
  Introduction to the laboratory; Scientific method

#### Week 3
- **Feb 6**  
  **T**  
  Neural communication I: Electrical  
  Reading: Chapter 3
- **Feb 8**  
  **R**  
  Neural communication II: Chemical
- **Lab**  
  Sheep brain dissection

#### Week 4
- **Feb 13**  
  **T**  
  Neural communication III: Drugs and the brain  
  Reading: Chapter 4
- **Feb 15**  
  **R**  
  Learning and memory I  
  Reading: Chapter 13, pg. 368-383
- **Lab**  
  Model dendrite

#### Week 5
- **Feb 20**  
  **T**  
  Learning and memory II  
  Reading: Chapter 13, pg. 383-393
- **Feb 22**  
  **R**  
  **Exam 1**
- **Lab**  
  Review

#### Week 6
- **Feb 27**  
  **T**  
  Organization of sensory systems
- **Mar 1**  
  **R**  
  Somatic sensation; Pain  
  Reading: Chapter 5, Parts I and II
- **Lab**  
  Microscopy
Week 7
Mar 6  T  Auditory and vestibular systems
       Reading: Chapter 6: 144-164
Mar 8  R  Vision
       Reading: Chapter 7
Lab    Sensation and Perception: Somatic sensation

Spring Break, Mar 12 – 16, No classes

Week 8
Mar 20 T  Visual perception
Mar 22 R  Motor system: Function and disorders
       Reading: Chapter 5, Part III
Lab    Sensation and Perception: Vision

Week 9
Mar 27 T  Development and experience
       Reading: Chapter 13, pg. 393-407
Mar 29 R  Language and reorganization
       Reading: Chapter 15
Lab    Sensation and Perception: Reaction time

Week 10
Apr 3  T  Cognition and Attention
       Reading: Chapter 14
Apr 5  R  Exam 2
       Lab    Review

Week 11
Apr 10 T  Endocrine system: Hormones and the brain
       Reading: Chapter 8, pg. 208-225
Apr 12 R  Regulatory mechanisms 1: Homeostasis
       Reading: Chapter 9
Lab    Action potentials in cockroach leg

Week 12
Apr 17 T  Regulatory mechanisms 2: Biological rhythms, sleep
       Reading: Chapter 10
Apr 19 R  Motivation, Emotion & Stress
       Reading: Chapter 11
Lab    Animal behavior: C. elegans
Week 13
Apr 24  T    Mental illness and brain disorders I
Reading: Chapter 12, pg. 338-359
Apr 26  R    Mental illness II: Psychopathology
Lab       Build your own brain

Week 14
May 1  T    Fear and Anxiety disorders
Reading: Chapter 12, pg. 360-366
May 3  R    Exam 3
Lab       Review

FINAL EXAM: Tuesday, May 15, 10 – 11:50am