Mon:  9 - 10:30  lecture
Wed:  9 - 10:30  lecture
       1:30 - 4  lab
Fri:  9 - 9:10  quiz
       9:15 -10:30  lecture or discussion

Lecture 1:  Introduction to the course                 Snyder 1/13
Lecture 2:  Anatomy I. Overview: Nervous System & its Cells Woolsey 1/15
            Anatomy II. Spinal Cord, Reflexes and Pathways
Lab 1:    Human Brain Overview, Dissection           Dikranian 1/15
Lecture 3:  Anatomy III. CNS Development & Patterning (End @9:50) Woolsey 1/17

MLK day (no classes) 1/20
Lecture 4:  Anatomy IV. Brainstem & Thalamus Woolsey 1/22
            Anatomy V. Basal ganglia & Cerebellum
Lab 2:    Spinal Cord & Brainstem                    Dikranian Burkhalter 1/22
Lecture 5:  Synaptic Organization of the Brain      Burkhalter 1/24

Lecture 6:  Anatomy VI. Cerebral Cortex             Woolsey 1/27
            Anatomy VII. Sensory Pathways
Lecture 7:  Anatomy VIII. Motor Pathways            Woolsey 1/29
            Anatomy IX. Integrating functions
Lab 3:    Forebrain, Primate & Mouse (Slides + dissection) Dikranian, Burkhalter 1/29
Lecture 8:  Molecular anatomy (End @ 9:50)          Gray 1/31

Lecture 9:  Electrophysiological methods             Moran 2/3
Lecture 10: Short lectures, Neural Circuits I       Burkhalter + Holy 2/5
Lab 4:     Tools for investigating Neural Circuits I Burkhalter + Holy 2/5
Lecture 11: Measurement of behavior                 Petersen 2/7

Lecture 12: Maps, Columns, and Behavior             Petersen 2/10
Lecture 13: Short lectures, Neural Circuits II      Kerchensteiner + Klyachko 2/12
Lab 5:     Tools for investigating neuronal circuits II Kerchensteiner + Klyachko 2/12
Lecture 14: Receptors                               Snyder 2/14

Lecture 15: Audition                                Snyder 2/17
Lecture 16: Vestibular system                       Snyder 2/19
Lab 6:     Auditory + Vestibular Anatomy             Burkhalter, Snyder, Dikranian 2/19
Discuss 1:  Auditory                                Snyder 2/21

Lecture 17: Functional Organization of Visual Cortex Burkhalter 2/24
Lecture 18: Cortical Networks                       Burkhalter 2/26
Lab 7:     Visual System Anatomy                    Burkhalter 2/26
Lecture 19: Plasticity of Developing and Mature Cortex Burkhalter 2/28
Lecture 20: Somatosensation Snyder 3/3
Discuss 2: Sensory (Somatosensory or vision) 3/5
Lab 8: Limbic Dissection Dikranian 3/5
Midterm 3/7

break week 3-10 to 3-14

Lecture 21: Electroreception I Carlson 3/17
Lecture 22: Electroreception II Carlson 3/19
Lab 9: Electric fish Carlson 3/19
Discuss 3: electric fish discussion 3/21

Lecture 23: Dopamine cells + Frontal lobe Padoa-Schioppa 3/24
Lecture 24: Decision I Padoa-Schioppa 3/26
Lab 10: Monkey Demo Snyder, Padoa-Schioppa 3/26
Lecture 25: Decision II <revisit day> Padoa-Schioppa 3/28

Lecture 26: Oculomotor System I Snyder 3/31
Lecture 27: Oculomotor System II Snyder 4/2
Lab 11: Oculomotor System Snyder, Moran 4/2
Discuss 4: Oculomotor, decisions, or memory Padoa-Schioppa, Snyder 4/4

Lecture 28: Motor I Moran 4/7
Lecture 29: Motor II Moran 4/9
Lab 12: Frog Nerve Conduction Moran 4/9
Discuss 5: Motor Snyder/Moran 4/11

Lecture 30: Motor III Moran 4/14
Lecture 31: Motor IV Moran 4/16
Lab 13: Sensory-Motor & Thalamus, Basal Ganglia, Cerebellum Dikranian 4/16
Lecture 32: Imaging methodology (PET, MR) Petersen, Shimony 4/18

Lecture 33: Interpreting imaging studies Petersen 4/21
Lecture 34: Learning and Memory Petersen 4/23
Lab 14: Imaging Demo Barananger 4/23
Lecture 35: Language & Speech I Peelle 4/25

Lecture 36: Language & Speech II Peelle 4/28
Lecture 37: Selective attention Petersen 4/30
Lab 15: Language and Speech Demo Peelle 4/30
Lecture 38: Controlled vs Automatic Processes Petersen 5/2

Lecture 39: Sleep Shaw 5/5
Final exam 5/7