## Course Schedule

### Week 1
- **Date:** 10, 12 Jan
- **Topics:** intro, brain organization, histology, transport, resting potential
- **Slideset:** 1

### Week 2
- **Date:** 17, 19 Jan
- **Topics:** action potential, V-clamp, passive conduction, P-clamp, channels, synapses
- **Slideset:** 3, 4, 5

### Week 3
- **Date:** 24, 26 Jan
- **Topics:** synapses & integration, post-synaptic channels, neurotransmitters
- **Slideset:** 5, 6

### Week 4
- **Date:** 31 Jan, 02 Feb
- **Topics:** neurotransmitters, synaptic plasticity
- **Slideset:** 6, 8

### Week 5
- **Date:** 07 Feb
- **Exam 1**
- **Slideset:** 1 - 6, 8
- **Comment:** 7 chapters, 35%

### Week 6
- **Date:** 09 Feb
- **Topics:** sensory intro, somatosense, pain, vision
- **Slideset:** 9, 10

### Week 7
- **Date:** 14, 16 Feb
- **Topics:** vision, hearing
- **Slideset:** 11, 12, 13

### Week 8
- **Date:** 21, 23 Feb
- **Topics:** vestibular system, olfaction, gustation
- **Slideset:** 14-15

### Week 9
- **Date:** 28 Feb
- **Exam 2**
- **Slideset:** 9 - 15
- **Comment:** 7 chapters, 30%

### Week 10
- **Date:** 02 Mar
- **Topics:** motor neurons, CPGs, upper motor neurons, basal ganglia, cerebellum
- **Slideset:** 16 - 19

### Week 11
- **Date:** 07, 09 Mar
- **Topics:** JAR, n.s. development
- **Slideset:** 22, 23

### Week 12
- **Date:** 14, 16 Mar
- **Topics:** plasticity, experience modification, seasonal change, neuropathology of trauma
- **Slideset:** 24, 25

### Exam 3
- **Date:** MONDAY 20 Mar, 10:15 AM
- **Slideset:** 16 - 19, 22 - 25
- **Comment:** 8 chapters, 35%

### Instructor Information
- **Instructor:** Randy Zelick
- **Office:** SRTC 232B
- **Lab:** 121
- **Email:** zelickr@pdx.edu
- **Textbook:** Purves et al, Neuroscience, 5th edition

### Course Website
- **Website:** [http://www.web.pdx.edu/~zelickr/neurophysiology/index.html](http://www.web.pdx.edu/~zelickr/neurophysiology/index.html)

### Note for DRC Students
- If you are taking exams at the testing center you must arrange for them to be at the same time and date as the regular class exams. If you have an accommodation that offers extra time, your exam should start at the same time as the in-class exam.