

| Date | Topic | Assignment | Text Chapter |
|------|--|---|------------------|
| 1/20 | Course introduction Brain overview. Major sub subsystems | | 1 & 2 |
| 1/27 | Neurons I Fundamental parameters. Overview of function | Paper #1 Neuron controversies | 3 |
| 2/3 | Neurons II competing theories | | |
| 2/10 | Cortex Overall organization | paper #2 Cortex codes | 4 |
| 2/17 | Basal Ganglia Reinforcement learning models | | 5 |
| 2/24 | Visual Routines Top-down models of seeing | | 6 |
| 3/2 | Motor routines organization of movement | | 7 |
| 3/2 | Operating System Managing complete behaviors | Revision paper | 8 |
| 3/16 | BREAK | | |
| 3/23 | decision making barrier models, hc vs AMD | Paper # 3 Damasio v McClelland | 9 |
| 3/30 | Emotions | | 10 |
| 4/6 | Altruism | Paper #4 Animal altruism | 11 |
| 4/13 | Consciousness | | 11 |
| 4/20 | Book review | Revision paper | |
| 4/27 | Computation in the brain | Book report due | |
| 5/4 | Brain organization summary | | |