

| Month            | Date | Day of the week | Lecturer | Subject (these are placeholders at present) | Notes |
|------------------|------|-----------------|----------|---|-------|
| <b>August</b>    | 29   | F               | EI       | Introduction                                |       |
| <b>September</b> | 1    | M               |          | <b>Labor Day</b>                            |       |
|                  | 3    | W               | EI       | Plasma Membrane                             |       |
|                  | 5    | F               | EI       | Membrane Potential                          |       |
|                  | 8    | M               | EI       | Ion channels                                |       |
|                  | 10   | W               | EI       | Action Potential I                          |       |
|                  | 12   | F               | EI       | Action Potential II                         |       |
|                  | 15   | M               | EI       | Synaptic Transmission I                     |       |
|                  | 17   | W               | EI       | Synaptic Transmission II                    |       |
|                  | 19   | F               | EI       | Synaptic integration                        |       |
|                  | 22   | M               | EI       | Neurotransmitters                           |       |
|                  | 24   | W               | EI       | Synaptic Modulation                         |       |
|                  | 26   | F               | HA       | Autonomic nervous system                    |       |
|                  | 29   | M               | EI       | <b>MIDTERM I</b>                            |       |
| <b>October</b>   | 1    | W               | HA       | Taste                                       |       |
|                  | 3    | F               | HA       | Olfaction                                   |       |
|                  | 6    | M               | HA       | Somatosensation I                           |       |
|                  | 8    | W               | HA       | Somatosensation II                          |       |
|                  | 10   | F               | HA       | Pain and temperature                        |       |
|                  | 13   | M               | HA       | Hair cells and the inner ear                |       |
|                  | 15   | W               | HA       | Central Auditory System                     |       |
|                  | 17   | F               | HA       | Phototransduction                           |       |
|                  | 20   | M               | HA       | Retina                                      |       |
|                  | 22   | W               | HA       | LGN and V1                                  |       |
|                  | 24   | F               | HA       | Visual cortex II                            |       |
|                  | 27   | M               | HA       | Higher visual processing                    |       |
|                  | 29   | W               | HA       | <b>MIDTERM II</b>                           |       |
|                  | 31   | F               | HA       | Learning and Memory I                       |       |
| <b>November</b>  | 3    | M               | HA       | Learning and Memory II                      |       |
|                  | 5    | W               | MF       | Development of the nervous system I         |       |

|                 |    |   |    |   |  |
|-----------------|----|---|----|---|--|
|                 | 7  | F | MF | Development of the nervous system II        |  |
|                 | 10 | M | MF | Development of the nervous system III       |  |
|                 | 12 | W | HB | synptogenesis and synapse elimination       |  |
|                 | 14 | F | HB | experience dependent refinement of synapses |  |
|                 | 17 | M | HB | Motor systems I                             |  |
|                 | 19 | W | HB | Motor Systems II                            |  |
|                 | 21 | F | HB | Cerebellum                                  |  |
|                 | 24 | M | HB | Basal Ganglia                               |  |
|                 | 26 | W | HB | Neural repair                               |  |
|                 | 28 | F |    | <b><i>Thanksgiving</i></b>                  |  |
| <b>December</b> | 1  | M | HB | Diseases of the nervous system I            |  |
|                 | 3  | W | HB | Diseases of the nervous system II           |  |
|                 | 5  | F | HA | The optical revolutlion in neuroscience     |  |
|                 |    |   |    |   |  |
|                 |    |   |    |   |  |