

Schedule

Note

Textbook reading assignments in the Watson & Breedlove text, *The Mind's Machine* will be indicated by the following shorthand: 'MM pp 3-15'. This means to read pages 3 to 15.

Week 01

Tue, Aug 26, 2025

Course introduction

- *Read:* MM pp 3-16
- *Slides:* | [html](#) |

Thu, Aug 28, 2025

History of neuroscience, levels of analysis, methods

- *Read:* MM pp 3-16
- *Watch:* National Geographic (2014), NeuroBriefs (2011), Eames Office (2010)
- *Slides:* | [html](#) |

Week 02

Tue, Sep 2, 2025

Methods II

- *Read:* MM pp 44-50
- *Watch:* National Institute on Biomedical Imaging and Bioengineering (n.d.), Video (2010), Understanding Animal Research (2009)
- *Slides:* | [html](#) |

Thu, Sep 4, 2025

Neuroanatomy I

- *Read:* MM pp 27-44
- Extra credit assignment due: [Canvas dropbox](#)
- *Slides:* | [html](#) |

Week 03

Tue, Sep 9, 2025

Neuroanatomy II

- *Read:* MM pp 16-27
- *Slides:* | [html](#) |

Thu, Sep 11, 2025

Neuroanatomy III; Quiz 1

- *Slides:* | [html](#) |

Week 04

Tue, Sep 16, 2025

Cells of the nervous system; Neurophysiology I

- *Read:* MM pp 20-27
- *Slides:* | [html](#) |

Thu, Sep 18, 2025

Neurophysiology II

Week 05

Tue, Sep 23, 2025

Neurophysiology III; Exam 1 Review

Thu, Sep 25, 2025

Exam 1

Week 06

Tue, Sep 30, 2025

Neurochemistry I

Thu, Oct 2, 2025

No Class

Week 07

Tue, Oct 7, 2025

Neurochemistry II

Thu, Oct 9, 2025

Hormones

Week 08

Tue, Oct 14, 2025

Quiz 2; Evolution

Thu, Oct 16, 2025

Development

Week 09

Tue, Oct 21, 2025

Exam 2 Review

Thu, Oct 23, 2025

Exam 2

Week 10

Tue, Oct 28, 2025

Psychopathology I

Thu, Oct 30, 2025

Psychopathology II

Week 11

Tue, Nov 4, 2025

Election Day • No Class

Thu, Nov 6, 2025

Emotion I; Quiz 3

Week 12

Tue, Nov 11, 2025

Emotion II

Thu, Nov 13, 2025

Sensory Systems

Week 13

Tue, Nov 18, 2025

Somatosensation

Thu, Nov 20, 2025

Action I; Exam 3 Review

Thanksgiving

NO CLASS

Week 14

Tue, Dec 2, 2025

Exam 3

Thu, Dec 4, 2025

Action II

Week 15

Tue, Dec 9, 2025

Memory; Quiz 4

Fri, Dec 12, 2025

Frontiers in neuroscience; Exam 4 review; The Cerebral Symphony

Finals

Exam 4 (date TBD)

References

- Eames Office. (2010). *Powers of TenTM (1977)*. YouTube. Retrieved from <https://www.youtube.com/watch?v=0fKBhvDjuy0>
- National Geographic. (2014, January). Beautiful 3-D brain scans show every synapse | national geographic. YouTube. Retrieved from <https://www.youtube.com/watch?v=nvXuq9jRWKE>
- National Institute on Biomedical Imaging and Bioengineering. (n.d.). *How does and MRI scan work?* YouTube. Retrieved from <https://www.youtube.com/embed/1CGzk-nV06g>
- NeuroBriefs. (2011). *The ascent: A brief history of the brain*. YouTube. Retrieved from <https://www.youtube.com/watch?v=S0HKupSZq8k>
- Understanding Animal Research. (2009). *Parkinson's disease*. YouTube. Retrieved from <https://www.youtube.com/watch?v=KDjWdtDyz5I>
- Video, N. (2010). *Method of the year 2010: Optogenetics - by nature video*. Youtube. Retrieved from <https://www.youtube.com/watch?v=I64X7vHSHOE&list=PLRstm0n591-rBbOeC0SJey20-NwXpLo4G>