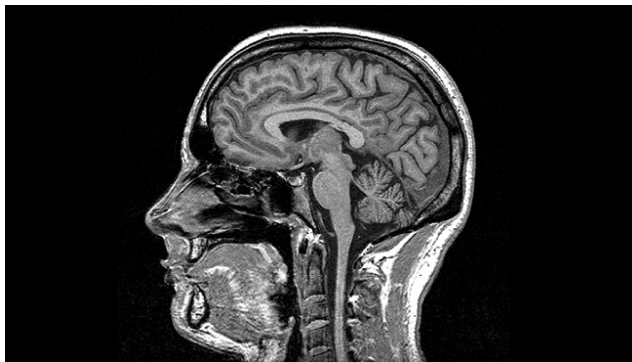


Honors Neurobiology

Course Number: 555
Course Title: Honors Neurobiology
Department: Science
Open to Students in Grade: 12
Any Required Prerequisite Courses: Chemistry & Biology



Topics Addressed/Skills Developed:

Unit Topics:

- 1 The Brain and Nervous System
- 2 Neurons and Synapses
- 3 Neuroplasticity
- 4 Vision
- 5 Other Senses
- 6 Cognition: Consciousness, Memory, Sleep, Language
- 7 Motivated Behaviors: Decision Making, Emotions, Motivation, Social Cognition

Approximate or range of hours of homework per class meeting: 30 - 45 mins

Textbook / informational text reading amount:

- Selected readings from slideshows or from the textbook - *Neuroscience - Exploring the Brain*
- Selected journal articles sourced online
- Teacher-generated materials

Types of large assessments in this course:

- Group and individual projects
- Labs and activities
- Dissections (brain and eyeball)

- Test and quizzes
- Final Project

Level of Independence Expected:	More Independent → Less Independent
Assessment: 5 = anything can be assessed 1 = only things explicitly discussed in class are assessed	5 4 3 2 1
Project/Class Work: 5 = little to no class time 1 = almost all the work will be done in class	5 4 3 2 1
Level of Collaboration: 5 = frequently (almost every class) 1 = infrequently (almost never)	5 4 3 2 1