Advanced Neurotechnology

EE 546A

Spring 2022

Mondays 3:00-4:50pm

3 credits, SLN:13594

- Advanced topics in brain-computer interfaces, neural technology, closed-loop stimulation and bio-inspired devices
- Neurotechnology for medical and consumer applications, including the logistics and ethics of devices for augmentation.
- Elective credit for Minor in Neural Computation and Engineering

Elective credit for Graduate Certificate in Neural Computation and Engineering

Course Description
Neurotechnology is improving lives via medical devices to treat deafness, blindness, chronic pain and paralysis. The next frontier are consumer devices to augment and enhance function such as learning and memory. This interactive, discussion-based seminar will explore the current and future challenges in the exciting field of neural engineering.

Students in the following majors are encouraged to register: Neuroscience, Bioengineering, Computer Science and Engineering, Electrical and Computer Engineering, Mechanical Engineering, Philosophy & Rehabilitation Sciences.

Prerequisite
EE/BioE 460/560 or Graduate Student Status or permission of instructor

For more information
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