

# Quantitative Neuroscienc

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Last Updated: Tue, 03/17/2026

**Course prefix:** BMED

**Course number:** 7610

**Section:** A

**CRN**

82853

**Instructor first name:** Garrett

**Instructor last name:** Stanley

**Semester:** Fall

**Academic year:** 2026

**Course description:** A quantitative presentation of neural signal processing and information coding, emphasizing the circuitry of sensory and motor pathways of the brain.

**Academic honesty/integrity statement:**

Students are expected to maintain the highest standards of academic integrity. All work submitted must be original and properly cited. Plagiarism, cheating, or any form of academic dishonesty will result in immediate consequences as outlined in the university's academic integrity policy.

**Core IMPACTS statement(s) (if applicable):**

This is a Core IMPACTS course that is part of the Arts, Humanities & Ethics area.

Core IMPACTS refers to the core curriculum, which provides students with essential knowledge in foundational academic areas. This course will help master course content, and support students' broad academic and career goals.

This course should direct students toward a broad Orienting Question:

- How do I interpret the human experience through creative, linguistic and philosophical works?

Completion of this course should enable students to meet the following Learning Outcome:

- Students will effectively analyze and interpret the meaning, cultural significance and ethical implications of literary/philosophical texts or of works in the visual/performing

arts.

Course content, activities and exercises in this course should help students develop the following Career-Ready Competencies:

- Ethical Reasoning
- Information Literacy
- Intercultural Competence