

Syllabus: PSY 483: Human-Robot Interaction Capstone

Course Title: PSY 483: Human-Robot Interaction Capstone

Semester: Fall 2024

Instructor: Dr. Olivia Thompson

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Office Hours: Mondays 2:00-4:30 PM OR by appointment

Class Time & Place: Monday or Wednesday 3:00-4:15 PM in SANCA 160

Course Description:

This course focuses on the principles and practices of Human-Robot Interaction (HRI), emphasizing the design and evaluation of interfaces and interactions between humans and robots. Students will identify a relevant topic within HRI, develop a comprehensive project proposal, conduct research or an applied project, and present their findings at the Innovation Showcase through a final report, poster presentation, and elevator pitch.

Course Objectives:

Conduct a project that addresses a specific challenge in human-robot interaction.

Develop a detailed project proposal with a clear timeline and methodology.

Produce a final report that critically assesses the project's outcomes.

Present the project at the Innovation Showcase in a professional manner.

Learning Outcomes:

Gain an in-depth understanding of human-robot interaction principles.

Develop skills in designing and evaluating HRI systems.

Enhance project management, technical writing, and presentation skills.

Work independently and collaboratively to address complex HRI challenges.

Evaluation:

Class meetings (5): 20 points

Individual meetings (3): 12 points

Project Proposal: 10 points

Revised Proposal: 13 points

Final Report: 25 points

Presentation: 10 points

Poster: 10 points

Total: 100 points