This course will teach students principles and methods of technical Human-Computer Interaction (HCI) research. It will also include a survey of important research threads. Short individual assignments will give students exposure to existing research methods in HCI. Midterm and final exams will test the student knowledge of the topic.

**Instructor:** Nikola Banovic ([http://www.nikolabanovic.net](http://www.nikolabanovic.net))

**Time and Location:** TTh 3PM – 4:30PM, 1014 DOW

**Prerequisites:** Graduate standing; or permission from instructor.

**LEARNING OBJECTIVES**

- Learn principles and methods of developing interactive software systems.
- Learn to gather engineering requirements from stakeholders.
- Learn engineering methods for iterative design of interactive systems.
- Learn methods for evaluation of interactive systems.
- Learn methods to measure, model human behavior and interaction with the systems.
- Learn about current research threads in technical HCI.