**CSC/CIT/ASE/DSC 392**

**Summer 2024**

**Independent Study in Human-Computer Interaction**

**Student: Student**

**Teacher: Nicholas Caporusso**

**Assigned readings:**

Readings will be defined and assigned throughout the experience. They will include:

* Scholarly articles related to state-of-the-art research in the field.
* Methodologies for User experience design and evaluation.

**Prerequisites:**

* C- or better in INF 286.

**Credit Hours:**

0 Credit hours.

**Project Topics:**

Project topics include:

1. Design, development, and testing of user and data visualization interfaces.
2. Data collection and analysis, specifically regarding User Experience studies.

Additional specific topics will be discussed and shared with the student.

**Student Learning Outcomes:**

By the end of this course, students will be able to:

1. Understand fundamental theories and principles of HCI.
2. Analyze user needs and assess the usability of computer interfaces.
3. Design effective user interfaces based on HCI best practices.
4. Conduct usability testing and interpret feedback to refine interfaces.
5. Explore innovative technologies in HCI such as virtual reality, augmented reality, and AI-driven interfaces.

**Student Assessment:**

Student assessment will be based on:

1. Weekly progress reports through meetings and email.
2. Weekly and bi-weekly deliverables.
3. Preparation of a final report.

**Absentee Policy:**

N/A.

**Classroom Expectations:**

N/A.