CS 342: Human Computer Interaction
College of Arts and Sciences
August 27, 2015

COURSE INFORMATION
Credit Hours: 3

Course Description: A good understanding of how a system/device interacts with its users is what differentiates a product that is technically sound from a usable one. HCI is the science that explores these interactions. HCI is at the intersection of many disciplines including cognitive psychology, linguistics, design and engineering. HCI considerations are increasingly cited as key factors in product design. In this course we will explore the science behind HCI and we will put parts of it into practice.

Course Prerequisites: None

FACULTY INFORMATION
Instructor: Francisco Iacobelli
Office Location: Lech Walesa Hall 3060
Office Hours: Please check the course calendar.
Phone Extension: 4728
email: f-iacobelli@neiu.edu

COURSE MATERIALS
Course Website: desire2learn and http://cs.neiu.edu/~fiacobelli/courses/hci/www/
Textbook: None, look at the online resources links on d2l for reading material.

Conditions to take this course:
- You will need to be able to write PDF files, create videos and post them in youtube.
- Homework Due: Thursdays BEFORE 11:59pm each week. No late work will be graded.

COURSE OBJECTIVES/STUDENT LEARNING OUTCOMES
Objective and Learning Outcome: At the end of this course students should be able to think critically about human computer interaction. They should incorporate mechanical as well as cognitive considerations in their thinking. Students should also be able to formulate general ways in which to test hypotheses about HCI.

STUDENT TASKS/ASSIGNMENTS/REQUIREMENTS
Assignemnts
- Product Analysis: Critically think about a product
- Task Analysis: Critically think about a task
- Weekly commentary: Critically think about research
- Research presentations: Read, interpret and communicate research
• Ethnography: Critically analyze a situation
• Descriptive statistics: Basic statistics for HCI
• Data comparisons: Pseudo research project
• Final project: Create a prototype or a small research.

Grading Policies and Formulae

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Course Outline

• Topic: Interactions

• Objective: Understand what is HCI, understand the history of HCI and discuss important aspects of interaction design.

• Topic: Tasks

• Objective: Understand tasks and their relevance to HCI. Choose projects.

• Topic: Users in Interactions

• Objective: Understand interactions from a user’s perspective. Understand cognitive aspects of interactions.

• Topic: Design

• Objective: Understand how design can affect human perception. Work on projects: what is unique and what is commonplace about your project.

• Topic: Evaluations.

• Objective: Students should have a basic practical understanding of how to design the evaluation of a design.

• Topic: Interaction Design in Practice

• Objective: Students will be exposed to concept products/research that reflect important aspects of interaction design.

• Topic: Drawing Conclusions.

• Objective: Students will be exposed to statistical methods to draw conclusions from data.
• **Topic**: Qualitative Evaluation  
• **Objective**: Students will be exposed to qualitative studies and ways in which they can be achieved.

• **Topic**: Collaboration  
• **Objective**: Understand collaborative tools and social tools, which are pervasive these days.

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**Absence Policy**

There is no absence policy.

**Academic Integrity**

By enrolling in this course, you are bound by the NEIU Student Code of Conduct [http://www.neiu.edu/university-life/student-rights-and-responsibilities/student-code-conduct](http://www.neiu.edu/university-life/student-rights-and-responsibilities/student-code-conduct). You will be informed by your instructor of any additional policy specific to your course regarding plagiarism, class disruptions, etc.

**ADA Statement**

Northeastern Illinois University (NEIU) complies with the Americans with Disabilities Act (ADA) in making reasonable accommodations for qualified students with disabilities. To request accommodations, students with special needs should make arrangements with the Student Disability Services (SDS) office, located on the main campus in room D104. Contact SDS via (773) 442-4595 or [http://www.neiu.edu/university-life/student-disability-services](http://www.neiu.edu/university-life/student-disability-services).

**Campus Safety**

Web links to Campus Safety: Emergency Procedures and Safety Information can be found on NEIUport on the MyNEIU tab or as follows: [http://homepages.neiu.edu/~neiutemp/Emergency_Procedures/MainCampus/](http://homepages.neiu.edu/~neiutemp/Emergency_Procedures/MainCampus/)

**Late Work Policy**

There will be many assignments. All work MUST be submitted on their given due date or a grade of zero will be assigned. No late homework assignments will be accepted. Please begin assignments early to ensure that you finish them on time. All grades for each assignment will be posted online on D2L at most one week after the due date. All assignments are due Thursdays before 4:00p.m.

**Web Link to Emergency Information**

It is recognized that a safe university environment is a shared responsibility of faculty, staff, and students, all of whom are expected to familiarize themselves with and cooperate with emergency procedures. Emergency Procedures and Safety Information can be found on NEIUport on the MyNEIU tab or at:

- **Main campus**: [http://www.neiu.edu/~neiutemp/Emergency_Procedures/MainCampus/](http://www.neiu.edu/~neiutemp/Emergency_Procedures/MainCampus/)
Chicago Teachers Center (CTC): [http://www.neiu.edu/~ neiutemp/Emergency_Procedures/CTC/]