

HTI 100: Innovation for People and Computers
Spring 2018

11:00-12:15 Tuesdays and Thursdays in Science D228

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Office Hours: Mon. & Wed. 11:00 a.m. – 1:00 p.m. **Office Location:** B239 Science Bldg.
Tuesdays 10:00-11:00 a.m. **Email:** kstern@uwsp.edu
Thursdays 10:00-11:00 a.m.

What this course is about:

This course explores innovation through a survey of human-computer interaction (HCI) and hands-on innovative projects. We'll be looking at the innovative *process*, including the understanding of user needs and goals, iterative design processes, and collaborative presentation of the design artifacts and recommendations for further product/interface development.

This is the introductory course within the Human-Technology Interaction (HTI) major. We'll also explore human perception and how humans recognize and use cultural artifacts. We will survey the history of HCI and the user-centered design processes used in industry today and legal aspects of designing digital products.

By semester's end you will have new innovative powers to develop really cool ideas for whatever interests you. You will also understand the importance of getting feedback from potential users of your ideas. And if you ever need to develop a website, you'll have some strong ideas about how that site should look.

Prerequisites:

There are no prerequisites for this course. You needn't have any computer, business, or creativity experience. Everyone is welcome. All students can succeed if they come with an open mind and willingness to try new things.

Professor/Student Communication:

We'll be using the online Desire2Learn (D2L) system in this class. Many of your assignments and grades will be accessed through D2L.

You can e-mail me at any time at kstern@uwsp.edu. You can also call me at 715-346-4145. Leave a message if necessary. My office hours are listed at the top of this syllabus.

Textbooks:

Interaction Design, Fourth Edition by Preece, Rogers, and Sharp
The Design of Everyday Things, Revised and Expanded Edition by Donald Norman

This is a Social Sciences-designated course in the General Education Program. The credits you receive in this course will help satisfy UW-Stevens Point's General Education requirements for graduation. Below you will see how this course aligns with the GEP-Social Sciences Learning Outcomes:

GEP-Social Sciences Learning Outcomes:

- Explain or apply major concepts, methods, or theories used in the social sciences to investigate, analyze, or predict human behavior (aligns with HTI Major Competencies #2 and 3 below).
- Examine and explain how social, cultural, or political institutions influence individuals or groups (aligns with HTI Major Competencies #4 and 6 below).

HTI Major Competencies:

Computing and New Media Technologies faculty members at UW-Stevens Point have developed a set of program competencies that define the educational goals of the CNMT Department and the HTI major itself. No single HTI course can cover all the HTI major competencies, but the combined courses within the major meet all of these goals. This course is designed to help you meet the following program competencies:

1. **Design Knowledge and Skills:** Achieve an industry-standard level of knowledge and skills in human-centered design and assessment of digital media (aligns with Course Objective #1, 2, 5, and 7 below)

2. **Interdisciplinary Knowledge and Skills:** Demonstrate an ability to contribute to, and act as the end user's advocate across, all disciplines involved in a professional digital development team (aligns with Course Objectives #2 and 6 below)
3. **Contextual Knowledge & Values:** Demonstrate the ability to identify and shape digital artifact development based on human-centered cultural, technical, and ethical issues (aligns with Course Objectives #2, 3, 4, 5, and 6 below)
4. **Personal Communication Skills:** Demonstrate industry-standard communication skills throughout all phases of the digital artifact development process; including research, stakeholder interactions, results presentations, and team problem solving in both distance and face-to-face environments (aligns with Course Objectives #4 and 5 below)

HTI 100 Course Objectives

At the end of this course, you will have accomplished the following:

- 1) Demonstrated a basic understanding of human perception, cognition, and memory as they apply to Human-Computer Interaction
- 2) Conducted ethnographic observations in both group and individual work
- 3) Conducted iterative user testing on physical and digital products
- 4) Demonstrated ability to identify cultural conventions and changes in media consumption
- 5) Demonstrated ability to collaborate with and present to team members and the class
- 6) Applied the legal aspects of digital artifacts, including Section 508 standards and copyright law, to example problems and case studies

Grading Policy:

1. **TIMELINESS.** This class is built around the concept that taking part in class projects is crucial to developing your own innovative process. **Assignments handed in any time later than the date and time they are due will result in a loss of 20% of the available points per 24 hours they are late.**
2. **ONLINE QUIZZES** will be delivered as D2L quizzes and are designed to be study guides for the examinations. They will cover both reading materials and lecture materials. The examinations (next section) will contain different questions, so consider the quizzes the hints I can give you on what to study. Do not try to memorize the questions and answers to the quizzes. Instead, look at how the questions were asked and what information they covered. Then go study that information before the exam. Each quiz is only available for a specific time, typically three or four days. After that date no one can take the quiz regardless of excuses. At that stage the quiz answers will be revealed for further study and will remain available for the remainder of the semester.
3. **EXAMINATIONS** will be delivered during lecture time and are designed to encourage you to do the assigned readings and keep up with class lecture material. **Exams will be announced during lectures at least one week in advance of the exam date.** If you miss an exam, it must be made up within five weekdays after the missed exam. Contact the professor via e-mail or phone to learn how to make up a missed exam. The final examination will cover only the last unit of the semester. It is not a comprehensive exam.
4. **HOMEWORK ASSIGNMENTS** will be announced during class periods. Each assignment is different and therefore will be valued differently toward your final grade.
5. **EXTRA CREDIT** opportunities are rare but occasionally arise. Sometimes there are other classes that need a specific number of students to take part in usability testing or other activities. **These opportunities will be announced via UWSP e-mail to all students in the class. You are not guaranteed an opportunity to earn extra credit points, so sign up for these opportunities as early as you can. I do not create extra credit opportunities for individual students.**

The breakdown of grades is as follows:

A	= 94-100% of all possible points	C	= 75-77.99%
A-	= 90-93.99%	C-	= 72-74.99%
B+	= 87-89.99%	D	= 69-71.99%
B	= 84-86.99%	F	= <69%
B-	= 81-83.99%		
C+	= 78-80.99%		

Final Exam

- **The final exam** is 12:30-2:30 p.m. on Monday, May 14th in our regular classroom. This exam will be cumulative, covering material from throughout the semester.

Classroom Time

I will often invite you to use cell phones or other online devices and do research during class. However, these devices *must be used for classroom activities only!* It's extremely tempting to continue browsing instead of listening to me as we move to new subjects. I reserve the right to insist that a device be turned off and stored away if there is any question about the use of the device during class. If you refuse to do so, or if the offense is frequently repeated, you may be excused from the class and reported to the Dean of Students. Devices of any kind are not allowed during exams unless for documented special needs.

Students sometimes try to do two things at once during class, such as check e-mail, Facebook, etc., do homework, or study for a different class during HTI 100 class time. This is not allowed because cognitive science has proven that our brains can't process two new thoughts at once. You'll either concentrate on your different class or on HTI 100. Students studying different class material may be asked to stop, asked to leave the classroom, and/or be reported to the Dean of Students for further action.

In an Emergency:

- In the event of a medical emergency, call 911 or use the red emergency phone located to the right of the pendulum in the 2nd floor hallway of the Science Building. Offer assistance if trained and willing to do so. Guide emergency responders to victim.
- In the event of a tornado warning, proceed to the lowest level interior room without window exposure on the first floor lavatory in the Science Building. If time or space do not allow, go to A224 or A225 Science Building or remain in the hallways around those classrooms. See <http://www.uwsp.edu/rmgt/Pages/em/procedures/other/floor-plans.aspx> for floor plans showing severe weather shelters on campus. Avoid wide-span rooms and buildings.
- In the event of a fire alarm, evacuate the building in a calm manner. Meet at the far end of the new science building currently under construction. The Ministry Medical Center will be across the street from where we would meet. Notify the professor or emergency command personnel of any missing individuals.
- Active Shooter – Run/Escapes, Hide, Fight. If trapped hide, lock doors, turn off lights, spread out and remain quiet. Follow instructions of emergency responders.
- Watch the Active Shooter video at: <https://campus.uwsp.edu/sites/rmgt/campus/SitePages/Shots%20Fired%20-%20Lightning%20Strikes.aspx>
- See UW-Stevens Point Emergency Management Plan at www.uwsp.edu/rmgt for details on all emergency response at UW-Stevens Point.

Student Academic Standards and Disciplinary Procedures

UWSP has specific guidelines regarding student rights and responsibilities in class and on campus explained at <https://www.uwsp.edu/dos/Pages/Academic-Concerns%20for%20Students.aspx>

Student academic standards and disciplinary procedures are explained at

<https://www.uwsp.edu/dos/Pages/Academic-Misconduct.aspx> and

<https://www.uwsp.edu/dos/Documents/AcademicIntegrityBrochure.pdf>

Disability Services

For information on **accommodations** available to students with disabilities, visit the Office of Disability Services in room 609 Learning Resource Center (715-346-3365) or their website:

<http://www.uwsp.edu/disability/Pages/default.aspx>. The registration process is a complex and lengthy one (2-3 weeks). Start the process now by contacting Disability Services at 715-346-3365 or

emailing datctr@uwsp.edu and/or by completing the [Request for Services.pdf](#)

Information on assistive technology can be found at:

<http://www.uwsp.edu/disability/Pages/assistiveTechnology.aspx>

