

Community-based Technology Projects

Winter 2015

Updated: January 6, 20155

Catalog Description

Project development in cooperation with a community service organization. Students will assess urban community Web needs, develop and implement a Web solution.

Prerequisites: ISM 220 or IS 215 or IT 232

Logistics

Day and Time: Wednesday 1:30 – 4:45
Location: 14 East Jackson 503
Course Website: <https://d2l.depaul.edu>
Drop dates: 01.16.15 *without financial penalty*
02.20.15 *with financial penalty*

Instructor Information

Name: Theresa A. Steinbach, Ph.D.
Office Hours: Thursday 1:30 – 4:30 or by arrangement
Email: tsteinbach@cdm.depaul.edu
Skype: theresa.a.steinbach
Phone: 312.362.5064 (office)

Learning Objectives

Students will be able to:

- Apply a development life cycle model to a project
- Create a requirements document developed in consultation with a client
- Conduct usability tests on a project design
- Develop a Web solution based on established requirements
- Present project artifacts to multiple audiences

Optional Texts

- Saffer, Dan (2009). Designing for Interaction: Creating Innovative Applications and Devices (2nd edition)
- Tidwell, Jennifer (2011). Designing Interfaces: Patterns for Effective Interaction Design (2nd edition)

Assignments and Grading:

1. Participation [10 percent of the course grade]

Class participation points are earned each class by attending class on time and being an active participant in class activities both online and face-to-face. Students are expected to have completed assignments and discussion question(s) before each class meeting. Online participation points are earned by commenting on peers' work and helping to build the class community.

2. Weekly Individual Reflections [10 percent of the course grade]

Each week you must submit a journal entry that reflects upon your individual contribution and group progress toward the final project.

3. Project Deliverables [30 percent of your course grade]

Needs Analysis Document: This document includes a statement of the design problem, personas, and user stories. This document requires the client's signature (affirmative email will suffice).

Requirements Document: This document includes functional and non-functional requirements. This document requires the client's signature (affirmative email will suffice).

Design Proposal: This document includes interactive wireframes or a paper prototype of the site. This document requires the client's signature (affirmative email will suffice).

Usability Report: This report documents the results and recommendations of the usability study.

Training Manual & Video: This document illustrates the required steps to maintain the site.

4. Final Project [40 percent of the course grade]

The final project consists of a working Website, training and documentation that will enable the client to maintain the site.

5. Peer and Client Review [10 percent of the course grade]

At the end of the course each teammate will complete a survey that reflects upon their and their teammates' contribution/participation. Clients will be asked to complete a survey regarding the quality of their interaction with the team.

Grading Scale

A	95-100	C	73-76
A-	90-94	C-	70-72
B+	87-89	D+	67-69
B	83-86	D	63-66
B-	80-82	D-	60-62
C+	77-79	F	0-59

Changes to Syllabus

This syllabus is subject to change as necessary during the quarter. If that occurs, reasons for the change and options available to students will be thoroughly addressed on the course D2L site. Changes are not made lightly as this syllabus is considered a contract between instructor and student.

Tentative Schedule

Introduction to Course

January 7 **Module 1** Overview of the course, project description and team formation
User Centered Design Review
Due: Project Preferences

Needs Analysis Phase

January 14 **Module 2** Needs Analysis Review
Due: Journal Entry (individual)

January 21 **Module 2** Requirements Review
Due: Needs Analysis Document (team)
and Journal Entry (individual)

Requirements Phase

January 28 **Module 3** Working Session
Due: Requirements Document (team)
and Journal Entry (individual)

Design Phase

February 4 **Module 4** Prototyping Review
Due: Journal Entry (individual)

February 11 **Module 4** Working Session
Due: Wireframe or Prototype (team)
and Journal Entry (individual)

Development Phase

February 18 **Module 5** Usability Testing Review
Due: Journal Entry (individual)

February 25 **Module 5** Working Session
Due: Usability Report (team)
and Journal Entry (individual)

March 4 **Module 5** Working Session
Due: Functioning Website (team)
and Journal Entry (individual)

Implementation Phase

March 11 **Module 6** Deliverables Review
Due: Journal Entry (individual)

March 18 **Module 6** **Final Project Showcase**
Due: Final Deliverables (team)
and Journal Entry (individual) and Peer Review (individual)

Incomplete and FX Grades:

Grades of Incomplete are given only in cases of medical emergency or other highly unusual emergency situations. Please note that University guidelines require that you must be earning a passing grade at the time you request an incomplete grade. You should have completed most of the course, with at most one or two major forms of evaluation missing. Incompletes revert to an F if they are not resolved within one quarter. DePaul CDM policy also is that all incompletes must be requested by the student using an online form. See CDM grading policies at <http://www.cdm.depaul.edu/Current%20Students/Pages/Grading-Policies.aspx>

Online Course Evaluations

Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation. Students complete the evaluation online in [CampusConnect](#).

Academic Integrity and Plagiarism

University policies on academic integrity will be strictly adhered to. Violations of academic integrity, including (but not limited to): cheating; plagiarism; fabrication of data; and complicity, are not tolerated. It is expected and understood you are familiar with DePaul's Academic Integrity Policy, at: <http://academicintegrity.depaul.edu/AcademicIntegrityPolicy.pdf>, which defines the terms used above and provides a complete statement about the rules. Consult the Academic Integrity website for further guidance: <http://academicintegrity.depaul.edu/>

Academic Policies

All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the [University Academic Calendar](#). Information on enrollment, withdrawal, grading and incompletes can be found at <http://www.cdm.depaul.edu/Current%20Students/Pages/PoliciesandProcedures.aspx>.

Students with Disabilities

Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential. To ensure that you receive the most appropriate accommodation based on your needs,

contact the instructor as early as possible in the quarter (preferably within the first week of class), and make sure that you have contacted the Center for Students with Disabilities (CSD) at:

Student Center, LPC, Suite #370

Phone number: (773)325.1677

Fax: (773)325.3720

TTY: (773)325.7296