

IT 278 Community-Based Technology Projects

Fall Quarter 2017-2018

Section: 701

Class number: 12770

Meeting time: Thursdays, 5:45PM - 9:00PM

Location: 14 E. Jackson Chicago, IL 60604 (M. Daley) Room: 503 at Loop Campus

Course Management System: Desire2Learn (D2L) d2l.depaul.edu

Instructor: Miranda Standberry-Wallace

Office: 243 S Wabash Ave Chicago, IL 60604, (CDM building) Suite 702–Loop campus

Office hours:

Loop/by appointment: CDM 702: Thursday (12-1pm and 5-5:30pm)

Online/by appointment: Saturday 9:00am-1:00pm

Lincoln Park Campus by appointment

I am available for appointments made outside of the set office hours. Please email me (mstandbe@depaul.edu) and/or call me at (773)325-8556 to set an appointment.

Textbooks and printed resources

No Required Textbooks for IT 278

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

Additional reading materials will be provided on D2L.

Summary of course

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

Fall Quarter 2017-2016

September 07, 2016	BEGIN AQ2016 ALL CLASSES	Autumn Term
September 13, 2016	Last day to add (or swap) classes to AQ2016 schedule	Autumn Term
September 20, 2016	Last day to drop AQ2016 classes with no penalty. (100% tuition refund if applicable and no grade on transcript)	Autumn Term
September 20, 2016	Last day to select pass/fail option for AQ2016 classes	Autumn Term
September 21, 2016	Grades of "W" assigned for AQ2016 classes dropped on or after this day	Autumn Term
September 27, 2016	Last day to select auditor status for AQ2016 classes	Autumn Term
October 17, 2016	Begin DQ/GI 2016 and WQ2017 Registration	Winter Term
October 17, 2016	Begin DQ/GI 2016 and WQ2017 Registration	December Term/Graduate Intercession
October 25, 2016	Last day to withdraw from AQ2016 classes	Autumn Term
November 15, 2016	End AQ2016 Day & Evening Classes	Autumn Term
November 16, 2016	Begin AQ2016 Day & Evening Final Exams	Autumn Term
November 16, 2016	AQ 2016 Grading Available for Faculty	Autumn Term
November 21, 2016	TUITION DUE: DQ/GI 2016	December Term/Graduate Intercession
November 22, 2016	End AQ2016 Day & Evening Final Exams	Autumn Term

IT 278 Community-Based Technology Projects

Learning Outcomes

By the end of this course students should be able to:

- apply a development life cycle model to a project
- create a requirements document developed in consultation with a client
- develop a Web Content Management System based on established requirements (WordPress)
- implement an search engine optimization (SEO) schema
- implement a security plan
- implement a test plan and record results
- apply backup process and peer-review using cloud-based storage and versioning of site content and training documents (GitHub)
- present project artifacts to multiple audiences (requirements doc, list of themes and plug-ins with versions, configuration specs, client training docs, deployment doc, file names of uploaded images and documents, SEO schema, donation information ALL REQUIRED)
- create internal administration document (usernames, passwords, roles)

Assignments

1. Participation [15 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 participating in assignments forums, commenting on peers' work and helping to build the class community.

- Group WordPress Presentation: Groups will be assigned a day to complete a 15-20 minute interactive presentation on a WordPress topic.

2. Weekly Individual Reflections [15 percent of the course grade]

You are required to submit journal entries that reflects upon your individual contribution and group progress toward the final project. See course assignment schedule for due dates.

3. Project Deliverables [25 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 [30 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.

IT 278 Community-Based Technology Projects

5. Peer and Client Review [15 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

Grading will be completed within 1-2 weeks of the due date.

Grade Review Requests

Every effort is made to grade in a fair and consistent manner. Should a disagreement arise about a coursework grade, the student may submit a grade review request in writing to the instructor. The request must be submitted within 48 Hours after the assignment grade has been posted. The request must include the student's argument for a different grade evaluation, based on variable evidence presented by the student. The Instructor handles grade review requests and responds to the student with a review decision as soon as possible.

Letter Grade Determination

The following table will be used in converting numeric grades into an official letter grade for the course:

Number Scale	Letter Grade
90 – 100%	A
80 – 89.99%	B
70 – 79.99%	C
60 – 69.99%	D
0 – 59.99%	F

Note: Grades within two points from the grade thresholds will be adjusted with - or +.

Snapshot: Evaluation of Students

Component	Weights
Class Participation	15%
Weekly Individual Reflections	15%
Project Deliverables	25%
Final Project	30%
Peer and Client Review	15%

IT 278 Community-Based Technology Projects

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 key to ability to continue to provide 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

This course will be subject to the university's academic integrity policy. More information can be found at <http://academicintegrity.depaul.edu/>. If you have any questions be sure to consult with your professor.

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: cdm.depaul.edu/enrollment.

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: csd@depaul.edu.

Lewis Center 1420, 25 East Jackson Blvd.

Phone number: (312)362-8002

Fax: (312)362-6544

TTY: (773)325.7296

Changes to Syllabus

This syllabus is subject to change as necessary during the quarter. If a change occurs, it will be thoroughly addressed during class, posted under Announcements in D2L and sent via email. Changes are not made lightly as this syllabus is considered a contract between instructor and student

IT 278 Community-Based Technology Projects

Course/Lecture Schedule Fall 2017-2018 Academic Year

Lecture: <u>Module Start Date</u> Topic	Lecture Topic	Assignment Due (Submit assignments to D2L dropbox – Must be uploaded before midnight -by 11:59pm)
Lecture 1: <u>Sept 7</u> Intro to course	Overview of the course, service learning presentation and paperwork, project description and team formation PPT: User Centered Design Overview	Due: Project Preferences (complete in class) Meet & greet with Organization Representatives! Groups will be selected.
Lecture 2: <u>Sept 14</u> Needs Analysis Phase	Needs Analysis Review Agile Project Management- Team Project Best Practices	Due: Journal Entry 1 (individual)
Lecture 3: <u>Sept 21</u> Needs Analysis Phase	Requirements Review Project Management Hot Topic	Due: Journal Entry 2 (individual)
Lecture 4: <u>Sept 28</u> Requirements Phase	Working Session: Requirements Prep Group Word Press Hot Topic- PERRO	Due: Needs Analysis Document (team) Team Project Status Report 1
Lecture 5: <u>Oct 5</u> Design Phase	Prototyping Review Group Word Press Hot Topic- PMCC & LearnLong Institute	Due: Requirements Document (team) and Journal Entry 3 (individual)
Lecture 6: <u>Oct 12</u> Design Phase	Working Session: Wireframe/Prototype Prep Group Word Press Hot Topic- PLATE45 &VAG	Due: Team Project Status Report #2
Lecture 7: <u>Oct 19</u> Development Phase	Usability Testing Review Group Word Press Hot Topic- A Just Harvest	Due: Wireframe or Prototype (team) and Journal Entry 4 (individual)
Lecture 8: <u>Oct 26</u> Development Phase	Working Session:Usability Report No Class	Due: Journal Entry 5 (individual) Note: Begin work on completing functioning website (team) due in 2 weeks.
Lecture 9: <u>Nov 2</u> Implementation Phase	Working Session: Deliverables Review Group Word Press Hot Topic- The Alliance 98 & IWill Foundation	Due: Usability Report (team) and Journal Entry 6 (individual) Note: Work on completing Functioning Website (team) due next week.
Lecture 10: <u>Nov 9</u>	Presentation Day: Final Project Showcase and Pizza Party	Due: Functioning Website (team) and Final Deliverables (team)-Training Manual and /or Video Organization Representatives will be attendance!
Finals Week: <u>Nov 16</u>	Complete final assignments. Submit to D2L dropbox. No Class	Due: Final Journal Entry (individual) and final Peer Review (individual)

Important Note: Submit all assignments to D2L dropbox per instruction. This course will not have a midterm or final exam.