

HU4642 Advanced Web Design

Prof. Stefka Hristova
shristov@mtu.edu (Expect a response time of up to 2 days)

TH 11:05-12:20
Fisher Hall 0327B

Instructor Office: Walker 344
Instructor Office Hours: W 10am-12pm by appointment

NOT A HASS COURSE

Course Description: This course will provide advanced web design knowledge. Students will collaborate with peers in computer science as well as with scientists across the country to develop prototypes for citizen-science applications. Students will gain expertise in front end development. They will acquire working knowledge of advanced HTML5 and CSS3, as well as of the Twitter Bootstrap Framework, GGTS, and Wordpress.

The Official Course Website for this Class is located at:
<http://cs4760.csl.mtu.edu/>

Core Text: Interaction Design : Beyond Human Computer Interaction
Course Requirements: You will be asked to complete the citizen-science application. Participate in all Project Assignments and complete Programming Assignments 1 and 2.

10 Project Assignments – 5pts each – 50 points
2 Program Asssignments – 10pts each – 20 points
Citizen-Science Application – 30 points

100 Points Total

GRADING SYSTEM

A	100%	to 92%
AB	< 92%	to 88%
B	< 88%	to 80%
BC	< 80%	to 78%
C	< 78%	to 70%
CD	< 70%	to 68%
D	< 68%	to 60%
F	< 60%	to 14%

Tuesday, January 12 INTRODUCTION in Fisher 0327B, then Joining CS in 0325 for Course, App Ideas, Stakeholders & User Centered Design
Readings: Chapter 3&4 (optional)

Thursday, January 14 Joining CS in 0325 for Interaction Styles and Mobile Interactions
Readings: Chapters 2&6 (optional)
Assignments Due: **Project Assign 1 Part A - Group and App Selection 1 Page Double Spaced Reflection on Challenges that Came Up and if and how they were resolved emailed to me.**

Tuesday, January 19 Joining CS in 0325 for HTA and Team Contracts
Readings: Chapter 10 (optional)
Assignments Due: **Project Assign 1 Part B 1 Page Double Spaced Reflection on Challenges that Came Up and if and how they were resolved emailed to me.**

Wednesday January 20 Mandatory Office Hours to Go Over Program Assign 1 in Walker 344

Thursday, January 21 Joining CS in 0325 for Interviewing and Prepare for Interviews
Readings: Chapter 10 (optional)
Assignments Due: **Program Assign 1 (Steps 2 and 3 key, 4, 5, 6, 7 copy and paste)**

Tuesday January 26 Joining CS in 0325 for Personas and Prepare for Interviews
Readings: Chapter 10 (optional)

Thursday, January 28 Meet in Fisher 0327B Git Hub
Assignments Due: **Project Assign 2 - Website & Interaction Design 1 Page Double Spaced Reflection on Challenges that came up and if and how they were resolved emailed to me.**

Tuesday, February 2 Joining CS in 0325 for Graphic Design and Expert Evaluation

Tuesday, February 9 Joining CS in 0325 for Walkthrough
Assignments Due: **Project Assign 3 - Walkthrough Doc 1 Page Double Spaced Reflection on Challenges that came up and if and how they were resolved emailed to me.**

Thursday, February 11 Joining CS in 0325 for Walkthrough

Tuesday, February 16 Joining CS in 0325 for Web Frameworks Contd.

Assignments Due: **Project Assign 4 - Feedback after Walkthrough**
1 Page Double Spaced Reflection on Challenges that came up and if and how they were resolved emailed to me.

Thursday, February 18 Meet in Fisher 0327B Introduction to Twitter Bootstrap
Assignments Due: **Project Assign 5 - Design Review Doc 1 Page Double Spaced Reflection on Challenges that came up and if and how they were resolved emailed to me.**

Tuesday, February 23 Joining CS in 0325 for Design Review

Thursday, February 25 Joining CS in 0325 for Design Review
Assignments Due: **Project Assign 6 - Implementation Requirements 1 Page Double Spaced Reflection on Challenges that came up and if and how they were resolved emailed to me.**

Tuesday, March 1 Meet in Fisher 0327B Introduction to Twitter Bootstrap with GGTS

Thursday, March 3 Meet in Fisher 0327B Introduction to Twitter Bootstrap with GGTS contd.

Tuesday, March 15 Meet in Fisher 0327B Introduction to Twitter Bootstrap with Dreamweaver
Assignments Due: **Program Assign 2 Due Twitter and Bootstrap**

Thursday, March 17 Meet in Fisher 0327B Introduction to Twitter Bootstrap with Dreamweaver Contd.

Tuesday March 22 Meet in Fisher 0327B Introduction to Dreamweaver Extract
Assignments Due: **Project Assign 7 - Usability Test Schedule 1 Page Double Spaced Reflection on Challenges that came up and if and how they were resolved emailed to me.**

Thursday, March 24 Meet in Fisher 0327B Introduction to Dreamweaver Extract Contd.

Tuesday, March 29 Joining CS in 0325 for Final Design Review
Assignments Due: **Project Assign 8 - Final Design Doc 1 Page Double Spaced Reflection on Challenges that came up and if and how they were resolved emailed to me.**

Thursday, March 31 Joining CS in 0325 for Final Design Review

Tuesday, April 5 Meet in Fisher 0327B Introduction to Wordpress

Thursday, April 7 Meet in Fisher 0327B Introduction to Wordpress Contd.

Assignments Due: **Project Assign 9 - Feedback after Final Design 1 Page Double Spaced Reflection on Challenges that came up and if and how they were resolved emailed to me.**

Tuesday, April 12 Meet in Fisher 0327B Introduction to Wordpress and Twitter Bootstrap

Thursday, April 14 Meet in Fisher 0327B Introduction to Wordpress and Twitter Bootstrap Contd.

Tuesday, April 19 Joining CS in 0325 for Usability Test Report

Thursday, April 21 Joining CS in 0325 for Usability Test Report

Monday, April 25 **Project Assign 10 - Final Review with Scientists 1 Page Double Spaced Reflection on Challenges that came up and if and how they were resolved emailed to me.**

Tuesday, April 26 – Joining CS in 0325 for Final Implementation

Thursday April 28 – Course Evaluation