

# NAVAJO TECHNICAL UNIVERSITY

Endless Innovation. Endless Opportunity. Endless Possibility.

## IT 420

**ADVANCED CSS, web**

**MT 5:00-6:30, Fall 2013**

**Location: Tech Building, Room 333**

**Instructor: Matthew Bollinger**

**Email: [mbollinger@navajotech.edu](mailto:mbollinger@navajotech.edu)**

**Office: IT Center, Rm 102**

**Office Hours: By Appointment**

### Course Description

This course is designed to take a deeper look at CSS and web development, while expanding basic knowledge of HTML. With practical and hands-on experience, you will exercise design principles through advanced methods and techniques.

### Course Organization

This is a lecture-lab course in which topics are presented by the instructor, methods are explained, and assigned tasks are completed by students both *during lab periods and outside of class*. This Advanced CSS course assumes mild to seasoned experience or training with CSS. In addition to regular lab hours, a minimum of nine hours of lab time is expected from students.

### Required Text

- HTML5: The Missing Manual 2nd (second) edition by MacDonald, Matthew
- CSS3: The Missing Manual by McFarland, David Sawyer 3rd (third) Edition
- Bootstrap by Jake Spurlock (*Optional text...purchase if you are 'serious' about marketable web development*)

### Required Materials

- Sketch Pad
- External Hard Drive
- Flash/USB Drive (To turn-in assignments, projects...)
- Text Editor
- Drop Box Account

### Final Grade

- 25% Mid-Term Website
- 25% Final Website
- 25% Assignments/Reading Summaries
- 15% Pop Quizzes (3 total, 5% each)
- 10% Attendance

### Course Policy

- Unless explicitly noted otherwise, the work in this course is to be done independently. Discussions with other students on the assignments should be limited to understanding the statement of the problems (except when assignments are to be done in groups in which case it is expected of members of the same group to work together).
- For a first offense, a student caught collaborating/cheating in any way will receive a zero for the exam/homework/project in question. In the event of a second offense, the student will receive an F for the course and may be subject to stronger action.

- Submissions that are alike in a substantive way (not due to coincidence) will be considered to be cheating by ALL involved parties.
- Please protect yourselves by only storing your files in private directories, and by retrieving all printouts promptly. 5. Students are encouraged to attend all lectures, which frequently include material that is not directly taken from the text. If a student misses a lecture, he/she is still responsible for the material covered and is advised to copy the notes from a classmate.
- All assignments must be submitted electronically.
- Grades can be appealed up to two weeks after they have been posted; no appeals will be considered after that time.

### Late Policy

- On-time projects must be received via email by 11:59PM on the due date. Any project received after this time will be considered to be LATE.
- A late assignment will receive a deduction of 10 points if it is up to one day past the deadline and 15 points if it is up to two days past the deadline. An assignment which is more than 2 days late will be accepted only under special circumstances with the instructor determining the penalty in a fair manner.

### Make-up Policy

- Students are expected to be present for all lectures, labs, exams, and quizzes. Make-up exams will only be given in the event of an emergency, and only if the instructor is informed in advance. Failure to notify the instructor prior to missing an exam will result in a zero for the exam/quiz. Please communicate your travel/health issues to me!

### Students with Disabilities

- If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Dean of Students (505-786-4100) as early as possible in the term. NTU will verify your disability and determine reasonable accommodations for this course.

## COURSE SCHEDULE

### Assignments | Readings

#### Week 1, 1.20 + 1.21

##### Monday, Lecture:

MLK - Holiday

##### Tuesday, Lecture:

Course overview, personal course goals, professional goals, what is good design?

#### Week 2, 1.27 + 1.28

##### Monday, Lecture:

Performance + Organization

Reading Assigned: Ch. 1, HTML5/CSS3, 500 Word Summary Due Next Monday - Typed

##### Tuesday, Lab:

Assignment 2 given, Due next Tuesday

#### Week 3, 2.3 + 2.4

##### Monday, Lecture:

Performance + Organization

Reading Assigned: Ch. 2, HTML5/CSS3, 500 Word Summary Due Next Monday - Typed

Reading Due

##### Tuesday, Lab:

Assignment 3 given, Due next Tuesday

Assignment 2 Due

#### Week 4, 2.10 + 2.11

##### Monday, Lecture:

Detailed Positioning

Reading Due

##### Tuesday, Lab:

Assignment 4 given, Due next Tuesday

Assignment 3 Due

### **Week 5, 2.17 + 2.18**

#### **Monday, Lecture:**

Presidents Day - Holiday

#### **Tuesday, Lecture/Lab:**

Detailed Positioning

Reading Assigned: Ch. 3, HTML5/CSS3, 500 Word Summary Due Next Monday - Typed

Assignment 5 given, Due next Tuesday

Assignment 4 Due

### **Week 6, 2.24 + 2.25**

#### **Monday, Lecture:**

Complex Selectors

Reading Due

#### **Tuesday, Lab:**

Assignment 5 Due

### **Week 7, 3.3 + 3.4**

#### **Monday, Lecture:**

Complex Selectors

#### **Thursday, Lab:**

### **Week 8 \_ MID TERM**

#### **Monday, Lab:**

NO CLASS, Independent Work Day

#### **Tuesday, Lab:**

Mid-term DUE

### **SPRING BREAK, 3.17 - 3.21**

### **Week 9, 3.24 + 3.25**

#### **Monday, Lecture:**

Responsive Web Design

Reading Assigned: Ch. 4, HTML5/CSS3, 500 Word Summary Due Next Monday - Typed

#### **Tuesday, Lab:**

Assignment 6 given, Due next Tuesday

### **Week 10, 3.31 + 4.1**

#### **Monday, Lecture:**

Responsive Web Design

Reading Due

#### **Tuesday, Lab:**

Assignment 7 given, Due next Tuesday

Assignment 6 Due

### **Week 11, 4.7 + 4.8**

#### **Monday, Lecture:**

Preprocessors

Reading Assigned: Ch. 5, HTML5/CSS3, 500 Word Summary Due Next Monday - Typed

#### **Tuesday, Lab:**

Assignment 8 given, Due next Tuesday

Assignment 7 Due

### **Week 12, 4.14 + 4.15**

#### **Monday, Lecture:**

Preprocessors

Reading Due

#### **Tuesday, Lab:**

NSD - No Class

Assignment 9 given, Due next Tuesday

Assignment 8 Due

**Week 13, 4.21 + 4.22**

**Monday, Lecture:**

jQuery

Reading Assigned: Ch. 6, HTML5/CSS3, 500 Word Summary Due Next Monday - Typed

**Tuesday, Lab:**

Navajo Sovereignty Day - Holiday

Assignment 10 given, Due next Tuesday

Assignment 9 Due

**Week 14, 4.28 + 4.29**

**Monday, Lecture:**

jQuery

Reading Due

**Tuesday, Lab:**

Assignment 10 Due

**Week 15, 5.5 + 5.6**

**Monday, Lab:**

**Tuesday, Lab:**

**Week 16 \_ FINAL EXAM**

**Monday, Lecture:**

NO CLASS Independent Work Day

**Tuesday, Lab:**

Final DUE