

GD 431

## **ADVANCED WEB DESIGN**

Spring 2016

3 credits

Monday 4–10pm, Brown 306

### **Brigitte Warner**

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### **Course description**

Designers who can code are mythical unicorns. This class will build on the foundations of Web Design and Graphic Design 2 to develop advanced, front-end development techniques that complement design theory, creating a well-rounded interactive designer perfectly suited for today's product-focused and consultancy businesses. Projects will be realized using advanced HTML/CSS/Javascript tools to create systems that surpass a brochure site.

### **Student learning outcomes**

- Learn advanced & current production technologies & workflow for HTML, CSS and Javascript, building on foundational knowledge from GD430 Web Design.
- Create and expand their own design & development processes for working on interactive projects.
- Design & build larger systems of pages, and consider how to manage it.
- Explore the larger “environment” that websites, web apps and iOS applications have to exist in and work with.
- Integrate better into established web/product teams, at the same time becoming more self-sufficient in fully realizing their interactive concepts.

### **Anticipated costs**

Required:

- Scalable and Modular Architecture for CSS (SMACSS)  
Available as an E-book at <https://smacss.com/> - \$13.00 or at <https://smacss.com/book/>
- Javascript: The Good Parts  
Available from Amazon or online as a PDF at [http://bdcampbell.net/javascript/book/javascript\\_the\\_good\\_parts.pdf](http://bdcampbell.net/javascript/book/javascript_the_good_parts.pdf)

All other course readings and materials will be freely available online. Students are required to install the text editor **Atom** and the app **Github for Mac**. Class time will be set aside for students that don't already have these installed and to learn advanced techniques such as configuration and linters.

## Course overview

A Github repository (<https://github.com/AdvancedWebDesign/redesign>) will be utilized to organize, share, (and backup!) student work. It will contain a course-long, multi-part redesign project that will showcase professional-level skills in UX, Accessibility, Designing for Developers, Advanced CSS, Introductory Javascript, and JS Libraries/Frameworks.

## Attendance

Students are expected to attend all meetings of each class in which they are enrolled. Unexcused absences from as few as three (three hour) classes in a three-credit course will result in a failing grade.

## Grading

- In-class assignments (activities and quizzes): 25%
- Homework: 25%
- Project: 50%

Each assignment will have a detailed rubric, and the project will be evaluated based on process, product, and professionalism. Feedback will be given in the form of both in-class/github-/slack-facilitated critiques and code reviews.

Deadlines are paramount; barring exceptional circumstances, late assignments will receive no higher than a B. I reserve the right to give pop quizzes.

Final grades are submitted to Enrollment Services at the end of each semester. All MFA and some MA grades are on a Pass (P)/Fail (F) system. Graduate students must receive a grade of B or better in liberal arts and studio elective coursework at the undergraduate level in order to receive graduate credit for the course. For Post-Baccalaureate students, a Passing grade is considered a C average (2.0) or above in undergraduate courses.

## Course outline

Weekly meeting times, assignments, and deadlines, etc will be available at <http://brigittewarner.com/> and are subject to change.

**Week 1** jan 25 - Intro to Tools + Deployment

**Week 2** feb 1 - UX and Accessibility

**Weeks 3-5** feb 8, 15, 22 - Designing for Developers

**Weeks 6-7** feb 29, march 7 - Advanced CSS

**Week 8** march 14 Spring Break

**Week 9** march 21 - Intro to Javascript

**Week 10** march 28 (Brigitte at EmberConf)

**Weeks 11-12** april 4, 11 - Intro to Javascript cont.

**Weeks 13-14** april 18, 25 - Intro to Javascript Libraries & Frameworks

**Week 15** may 2 - Summary / Conclusion

## **Scheduling of student course evaluations**

Class time will be set aside toward the end of the semester for completion of student course evaluations.

## **MICA's Academic Policy statements**

Full academic policies and procedures are published online in MICA's Academic Bulletin: [http://www.mica.edu/Programs\\_of\\_Study/Academic\\_Bulletin.html](http://www.mica.edu/Programs_of_Study/Academic_Bulletin.html)

### **Americans with Disabilities Act**

Any student who may need an accommodation based on the potential impact of a disability should contact the Learning Resource Center at 410-225-2416, in Bunting 458, to establish eligibility and coordinate reasonable accommodations.

### **Environmental Health and Safety (EHS)**

It is the responsibility of faculty and students to follow health and safety guidelines relevant to their individual activities, processes, and to review MICA's Emergency Action Plan and attend EHS training. It is each faculty member's responsibility to coordinate with the EHS Office to ensure that all risks associated with their class activities are identified and to assure that their respective classroom procedures mirror the EHS and Academic Department Guidelines. Each of these policies and procedures must be followed by all students and faculty. Most importantly, faculty are to act in accordance with all safety compliance, state and federal, as employees of this college and are expected to act as examples of how to create art in a way to minimize risk, and reduce harm to themselves and the environment. Faculty must identify and require appropriate personal protective equipment for each art making process, for each student, in all of their classes, when applicable. Students are required to purchase personal protection equipment appropriate for their major. Those students who do not have the proper personal protection equipment will not be permitted to attend class until safe measures and personal protection are in place.

### **Plagiarism**

Each discipline within the arts has specific and appropriate means for students to cite or acknowledge sources and the ideas and material of others used in their own work. Students have the responsibility to become familiar with such processes and to carefully follow their use in developing original work.

### **Policy**

MICA will not tolerate plagiarism, which is defined as claiming authorship of, or using someone else's ideas or work without proper acknowledgement. Without proper attribution, a student may NOT replicate another's work, paraphrase another's ideas, or appropriate images in a manner that violates the specific rules against plagiarism in the student's department. In addition, students may not submit the same work for credit in more than one course without the explicit approval of all of the instructors of the courses involved.

### **Consequences**

When an instructor has evidence that a student has plagiarized work submitted for course credit, the instructor will confront the student and impose penalties that may include failing the course. In the case of a serious violation or repeated infractions from the same student, the instructor will report the infractions to the department chair or program director. Depending on the circumstances of the case, the department chair or program director may then report the student to the appropriate dean or provost, who may choose to impose further penalties, including expulsion.

**Appeal Process**

Students who are penalized by an instructor or department for committing plagiarism have the right to appeal the charge and penalties that ensue. Within three weeks of institutional action, the student must submit a letter of appeal to the department chairperson or program director, or relevant dean or provost related to the course for which actions were taken. The academic officer will assign three members of the relevant department/division to serve on a review panel. The panel will meet with the student and the instructor of record and will review all relevant and available materials. The panel will determine whether or not to confirm the charge and penalties. The findings of the panel are final. The panel will notify the instructor, the chairperson, division, the student, and the Office of Academic Affairs of their findings and any recommendations for change in penalties.

**Title IX Notification**

Maryland Institute College of Art seeks to provide an educational environment based on mutual respect that is free from discrimination and harassment. If you have encountered sexual harassment/misconduct/assault, please know that there are multiple ways to report it and you are encouraged to do so ([www.mica.edu/equal\\_opportunity](http://www.mica.edu/equal_opportunity)). Additionally, in order to meet our commitments to equity and to comply with Title IX of the Education Amendments of 1972 and guidance from the Office for Civil Rights, faculty and staff members are required to report disclosures of sexual violence made to them by students, except when prior notice regarding a specific classroom assignment or discussion is provided. If you require academic accommodations due to an incident involving sexual harassment or discrimination, please contact Student Affairs at 410.225.2422 or Human Resources at 410.225.2363.

**Students with Extended Illness or Cause for Legitimate Absence**

In the case of extended illness or other legitimate absences that may keep the student from attending a class for more than three meetings, students must contact the Student Development Specialist in the Division of Student Affairs so that instructors can be notified. Graduate students must contact the instructor, program director, and the Office of Graduate Studies. Students in art education or professional studies programs must contact the Dean for the Center for Art Education or the Dean of the School for Professional and Continuing Studies, respectively. The appropriate administrator will facilitate a conversation with faculty to determine whether the student can achieve satisfactory academic progress.