

## GD431 Front End Web Deveopment Fall 2019

GD431-01  
Thu 9a-3p, BR 206

3 credits.  
Instructor: Dae In Chung  
Email: dchung01@mica.edu  
Office: BR303 Faculty Room  
Office hours:  
Tue, Wed & Thursdays  
(email for an appointment)

Course website:  
<https://github.com/cdaein/mica-gd431>

### Course Description

This course will introduce modern and advanced web design technologies, building on the foundations from Graphic Design 2 and Web Design. Students face unique problems when designing for the web, and the course will provide an opportunity to analyze problems and implement appropriate solutions both conceptually and technically, through hands-on exercises and projects using HTML, CSS and JavaScript.

Class time will be split among lectures, work sessions, discussions, presentations and critiques.

### Student Learning Outcomes

- Learn modern and advanced web design technologies.
- Create and develop your own design and development processes for working on interactive projects.
- Develop a design system and its components that works in different conditions.
- Become familiar with the workflow and considerations of modern front-end web development, including user experience and accessibility.

### Grading

There will be weekly/short-term assignments and one final project. *The assignments and projects are subject to change.* The final grade will be based on all your progress/attendance/participation throughout the semester. The weekly progress has the same weight as the finals. The whole process will be graded throughout the semester.

On any assignment,

“A” is given to a student who has gone beyond expectations.

“B” is given to a student with above-average work.

“C” means that a student meets the requirements for the assignment.

“D” shows that a student has not met the expectations.

“F” means a student failed to submit the assignment or has shown very little effort.

All projects are due at the beginning of class. Work handed in or changed more than 10 minutes after the beginning of class is marked late. Grades for late projects will be lowered a whole letter. After a full week, a project may not be handed in late and it will be awarded a failing grade. No work will be accepted after the final class. There is no late work submission for the final project.

Please feel free to set up a meeting if you have any issues. Do not wait until the last minute.

### Assessment

Your work in this class will be assessed based on the following criteria: Product, Process and Professionalism. Following is a breakdown of grading criteria. Each group accounts for 1/3 of your final grade.

#### PRODUCT

Appropriateness of the solution as a response to the problem

Understanding of the user/audience for the problem  
Inventiveness of the solution as a response to the problem  
Craftsmanship and quality of work

**PROCESS**

Research (quality & quantity)  
Development of ideas across time (project & semester)  
Translation of problem into unique solution  
Ability to convert research into idea generation  
Ability to communicate ideas and research in visual form  
Improvement of work across the semester

**PROFESSIONALISM**

Attendance  
Verbal and written presentation skills  
Deadlines  
Participation in class critiques  
Preparation and use of time in class

**SCHEDULING OF STUDENT COURSE EVALUATIONS**

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

**Course Policy**

You are required to bring every handout, file and other course materials to every class meeting. Failure to bring in the supplies that are needed to work in class will result in a whole letter grade reduction for the project. Save everything you produce in class from notes to sketches to video renders.

You must meet all the deadlines. Loss of digital files/media or malfunction of devices is not a legitimate excuse for late assignments and you will still get a grading penalty. Things will never work the way you would expect. It is part of the design process. Plan ahead. Be flexible.

Backup your files to external hard drives and cloud-based services. No excuses for losing your files no matter what. Three backups are recommended - local machine, external hard drive and cloud.

All cell phones must be silenced or turned off, and are not allowed to use during class. No Facebook, instant messaging or irrelevant web surfing allowed.

Computers must be turned off or in sleep mode during critiques and lectures; students caught messaging, browsing, typing, or otherwise being distracted by the computer during critiques and lectures may be asked to leave.

When we have work time in class, it is only for the course-related research and production. Do not work on other class assignments.

Critiques include yielding constructive feedback to your peers based on aesthetic, conceptual and technical aspects of their work. Students are required to participate in this process, but should be sensitive to the ego and understanding of their peers.

During demos, remember that students learn at varying rates. Please be patient.

Above all, have fun. Enjoy the struggles. Learn to deal with frustrations. Embrace

the uncertainty. You will grow that much.

## **Contact**

Set up time during my office hours to talk one on one. You can also email me if you have questions. Expect a delay up to 24 hours on weekdays in email responses.

## **Attendance Policy**

Attendance and participation is mandatory. Arrive on time to the start of each class and after each break. Failure to return from break will be considered as absence. Do not leave class early before it is completely dismissed. *Students who have the equivalent of more than 3 absences are no longer eligible to earn credit for the course.* If you are absent, it is your responsibility for gathering any material missed. I will not recap.

There are no excused absences. An absence is an absence. For illness or other causes for extended absences, refer to the MICA's academic policy.

Tardiness is also not tolerated. If you arrive 10 minutes past the scheduled class start time or after returning from break, this is considered tardy. *3 tardies will be counted as an absence. Arriving more than 30 minutes late will be marked as an absence.*

## **Supplies**

If there is any required material, it will be discussed ahead of time.

### **REQUIRED TECHNOLOGIES**

1. Adobe Creative Suite (Photoshop, Illustrator, Adobe XD): If you are using multiple computers, make sure you have the same version. Some do not have backward-compatibility.
2. Code editor (ie. Visual Studio Code)
3. Github.com free account
4. Chrome Web browser
5. Back up solution (Google Drive and external HDD)

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**Weekly Schedule**

*Weekly schedules and projects are subject to change. Detailed descriptions on each project will be provided in class.*

*Assignments are designed to introduce you to new topics of web design such as responsive design, web typography, layout techniques, etc.*

*The last day of class is December 12, and there will be no class on November 28 for Thanksgiving.*

1 - 4. HTML & CSS fundamentals

5 - 8. Modern web layout techniques

9 - 12. JavaScript basics

13 - 16. Final project & adv. topics

(14. Thanksgiving; no class)

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

### **ACADEMIC DISABILITY ACCOMMODATIONS**

MICA makes reasonable academic accommodations for qualified students with disabilities. All academic accommodations must be approved through the Learning Resource Center (LRC). Students requesting accommodation should schedule an appointment at the LRC (410-225-2416 or e-mail [LRC@mica.edu](mailto:LRC@mica.edu)), located in Bunting 110. It is the student's responsibility to make an accommodation request in a timely manner. Academic accommodations are not retroactive.

### **ENVIRONMENTAL HEALTH AND SAFETY (EHS)**

Students are responsible to follow health and safety guidelines relevant to their individual activities, processes, and to review MICA's Emergency Operations Plan and attend EHS training. Students are required to purchase personal protection equipment appropriate for their major or class. 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 acknowledgment. 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. There are multiple ways to report sexual harassment/misconduct/assault and reports are encouraged ([www.mica.edu/equal\\_opportunity](http://www.mica.edu/equal_opportunity)). Students requiring academic adjustments due to an incident involving sexual harassment or discrimination should contact Student Affairs at 410.225.2422 or Human Resources at 410.225.2363. Keeping with institutional 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 gender based discrimination made to them by students. However, nothing in this policy shall abridge academic freedom or MICA's educational mission. Prohibitions against discrimination and discriminatory harassment do not extend to actions, statements or written materials that are relevant and appropriately related to course subject matter or academic discussion.

### **STUDENTS WITH EXTENDED ILLNESS OR CAUSE FOR LEGITIMATE ABSENCE**

In the case of extended illness or other absences that may keep the student from attending a class for more than three meetings, undergraduate students must contact the Student Development Specialist in the Division of Student Affairs or have an official disability accommodation letter issued by the Learning Resource Center that specifically addresses class absences. For students who have not been approved for academic disability accommodations, the Student Development Specialist will work with the student to determine the cause and appropriateness of the absences and subsequently notify instructors as necessary. Graduate students must contact the instructor, program director, and the Office of Graduate Studies. Students in professional studies programs must contact the Associate Dean for Open Studies. The appropriate administrator will facilitate a conversation with relevant faculty to determine whether the student can achieve satisfactory academic progress, which is ultimately at the sole discretion of the faculty member.