



Division of Media Arts & Technology Department

<https://www.hccs.edu/programs/areas-of-study/art--design/digital-communication-/>

IMED-2351: Digital Media Programming (JavaScript) - CRN: 16228

Spring 2021 | 12 Weeks (2.16.2021-5.16.2021)

West Loop rm-136 / Online WebEx | T-TH 6 p.m.- 8:50 p.m.

2 hour lecture / 4 lab course / 3 hours per semester/ 12 weeks

TOTAL hours = 144 hours

Total Course Contact Hours - 96.00 hours

Instructor Contact Information

Instructor: Nicol Jamal Alexander
Office: West Loop rm:139a
HCC Email: nicol.alexander@hccs.edu

Office Phone: 713-718-7895
Office Hours: Tu-Th 12am-1:45 p.m.
Office Location: West Loop

Instructor's Preferred Method of Contact

Please contact me by HCC email or thru canvas (Eagle Online). You may call my office number during office hours, if I am unavailable you will be forwarded to a mailbox to leave a message. I will respond to emails within 24 hours Monday through Friday; I will reply to weekend messages on Monday mornings.

What's Exciting About This Course

IMED-2351 is an advanced class in JavaScript where we explore:

1. Advanced topics in digital media programming including emphasis on developing JavaScript customized to the client's needs.
2. JavaScript - will be used to improve navigation of web sites, to validate data submitted via forms, to add functionality to web pages.
3. Images and Text – Controlling images and text with JavaScript.
4. Users – Improve the end-user experience, users' permissions and privileges.
5. Design – Use JavaScript/HTML/CSS programming syntax to design intuitive navigation structures. Present a professional portfolio of work that demonstrates proficiency in skills for employment.

My Personal Welcome

Welcome to Digital Media Programming (JavaScript). I'm delighted that you have chosen this course. I have been designing for print and the web for over 16 years. I will present the information thru lectures and video recorded demonstrations, so that you can grasp the concepts and apply them now and hopefully throughout your life. I am available to support you in the open labs. The fastest way to reach me is by my HCC email. The best way to really discuss issues is in person, I'm available during posted office hours to tackle any questions you might have. My goal is for you to become web designers, and freelancers, and to help you land a good job in the industry. So please visit me or contact me whenever you have a question.

Prerequisites and/or Co-Requisites

IMED-2351 requires some basic design knowledge of HTML and CSS (IMED-1316) and the Adobe Software Package. Experience programming in a high-level language (e.g. Java, C++, VB, etc.) is recommended, but not required. If you have enrolled in this course having satisfied these prerequisites, you have a higher chance of success than students who have not done so. Please carefully read and consider the repeater policy in the [HCCS Student Handbook](#).

Eagle Online Canvas Learning Management System

This section of IMED-2351 is a HYBRID LAB class and will use [Eagle Online Canvas \(https://eagleonline.hccs.edu\)](https://eagleonline.hccs.edu) to supplement in-class assignments, exams, and activities. You should try to be involved in discussions with your classmates and your instructor. It is recommended that you **USE FIREFOX OR CHROME AS YOUR BROWSER**.

The class will meet twice a week. Students will be divided into two cohorts. Cohort A will meet on campus for lab hours Tuesdays. Cohort B will meet on campus for lab hours Thursdays.

HCC Online Information and Policies

Here is the link to information about HCC Online classes including the required Online Orientation for all fully online classes: <http://www.hccs.edu/online/>

Scoring Rubrics, Sample Assignments, etc.

Student JavaScript Assignments: Assignments in the JS Coding have been developed that will enhance your learning. To better understand a topic, a Lecture (32 Lecture hrs.) will be given on assignments on key information that you will need to remember for your success in your career as a JavaScript Developer. Students will be required to visit Eagle Online to complete the JS Coding Assignments each week. Look in Eagle Online Canvas for the scoring rubrics for Assignments, samples of class assignments, and other information to assist you in the course. <https://eagleonline.hccs.edu/login/ldap>

Students will be required to Design, Create, Test, and Maintain a Web Site:

In IMED-2351 Digital Media Programming students are required to:

- a) Get Web Hosting, and Domain Name Hosting.
- b) Completed assignments in JavaScript on time and host online for grading.
- c) Submit assignment links to Eagle Online for grading.

Instructional Materials

Textbook and Hosting Information



The textbook listed below is **required** for this course.

JavaScript and jQuery: Interactive Front-End Web Development (Paperback)

by Jon Duckett

Publisher: Wiley, John & Sons, Incorporated

Publication Date: June, 2014 | **Edition:** 1

ISBN: 1118531647 | **ISBN--13:** 978-1118531648

Storage Devices and Web/Domain Hosting

Mass storage device (At least 4GB; preferably 8 or more GB)

Hosting Service:

- a. [Host Gator](#)
- b. [GoDaddy](#)
- c. [BlueHost](#)
- d. [Awardspace](#) (free 500mb)

Other Instructional Resources

One (1) realm of printer paper for printing in-class PDF.

Tutoring

HCC provides free, confidential, and convenient academic support, including writing critiques, to HCC students in an online environment and on campus. Tutoring is provided by HCC personnel in order to ensure that it is contextual and appropriate. Visit the [HCC Tutoring Services](#) website for services provided.

Libraries

The HCC Library System consists of 9 libraries and 6 Electronic Resource Centers (ERCs) that are inviting places to study and collaborate on projects. Librarians are available both at the libraries and online to show you how to locate and use the resources you need. The libraries maintain a large selection of electronic resources as well as collections of books, magazines, newspapers, and audiovisual materials. The portal to all libraries' resources and services is the HCCS library web page at <http://library.hccs.edu>.

Supplementary Instruction

Supplemental Instruction is an academic enrichment and support program that uses peer-assisted study sessions to improve student retention and success in historically difficult courses. Peer Support is provided by students who have already succeeded in completion of the specified course, and who earned a grade of A or B. Find details at <http://www.hccs.edu/resources-for/current-students/supplemental-instruction/>.

Course Overview

IMED-2351 is an advanced class in Web Design where we explore designing and developing server-side web pages that incorporate text, graphics, and other supporting elements using the JavaScript programming language. We explore the use of JavaScript, JQuery, and simple HTML and CSS to alter the appearance of colors, images and text within web pages.

Core Curriculum Objectives (CCOs)

IMED-2351 Students will learn to identify how the Internet functions with specific attention to the World Wide Web and file transfer. ***Students will also learn to:***

- Create and utilize custom functions and variables
- Declare and assign variables and incorporate them into functions
- Utilize arrays in adding dynamic functionality to web pages
- Develop error-checking objects
- Utilize arrays to enhance navigation menus
- Apply client-side form verification and/or validation
- Design intuitive navigation structures
- Combine CSS with JavaScript to develop expandable navigation menus/content
- Utilize advanced programming syntax
- Set cookies on the client computer
- Integrate JavaScript with CSS to hide, show and move objects

Program Student Learning Outcomes (PSLOs)

Can be found at:

<https://www.hccs.edu/programs/areas-of-study/art--design/digital-communication-/>

Course Student Learning Outcomes (CSLOs)

Upon completion of IMED-2351, the student will be able to:

1. Use JavaScript functions to add dynamic characteristics to web pages
2. Develop web pages that accept and process data using forms
3. Create and utilize custom functions and variables
4. Develop error-checking methods
5. Design intuitive navigation structures
6. Utilize advanced programming syntax

Learning Objectives

Student Success

As a student wanting to complete IMED-2351, it is your responsibility to read the textbook, submit assignments on the due dates, study for the exams, participate in online activities and class discussions.

As I believe that engaging the students in the learning is essential for success in this class, you will spend the majority of class time practicing in JavaScript and JQuery, and completing your class projects on your own. You should try to be involved in discussions with your classmates and your instructor. As you will want to contribute to these discussions, you will need to visit our Eagle Online page and be prepared to discuss, analyze and evaluate information from your text and other assigned readings.

Students who complete the assignments and exercises usually do well in this course, while those who skip them will not understand the requirements for the individual midterm and final projects.

Instructor and Student Responsibilities

As your Instructor, it is my responsibility to:

- Provide the grading scale and detailed grading formula explaining how student grades are to be derived
- Facilitate an effective learning environment through learner-centered instructional techniques
- Provide a description of any special projects or assignments
- Inform students of policies such as attendance, withdrawal, tardiness, and make up
- Provide the course outline and class calendar which will include a description of any special projects or assignments
- Arrange to meet with individual students before and after class as required

As a student, it is your responsibility to:

- Have Hosting and a Domain Name.
- Attend class and participate in class discussions and activities
- Maintain 2 web sites (based on lessons learned in class).
- Complete the required assignments and exams.
- Ask for help when there is a question or problem

Assignments, Exams, and Activities

Weekly JavaScript Coding Assignments

Weekly Coding Assignments and Quizzes (100pts ea.) (20%) The JavaScript and JQuery tutorials serve as practice of the concepts covered in class. **Completion of these tutorial lessons is required**, they include:

1. Lessons on coding in JavaScript within an HTML page.
2. Lessons on changing colors inside HTML pages.
3. Lessons on file and folder organization.

Midterm / Website Presentation

Midterm Web Site (Midterm Review) (35%) Students are required to create a web site during the first half of the semester. The website should consist of the few lessons already learned while doing JavaScript Tutorials and practicing different techniques using JavaScript and JQuery. Each student's project must be on your hosting service and ready for presentation at the beginning of the class session. Midterm review of this website is required (instructions will be given).

Final Website Presentation

Final Web Site (Final Review)(45%) Students are required to create a new web site during the last half of the semester. The new website pages should consist of the final lessons already learned while doing the JavaScript Tutorials and practicing different techniques using JavaScript and JQuery. Each student's final project must be on your hosting service and ready for presentation at the beginning of the class session. Final review of this website is required (instructions will be given).

Grading Formula

Weekly JS Assign/Quizzes	20% of your final grade
Midterm Website Review	35% of your final grade
Final Website Review	45% of your final grade

Grade	Total Points
A	90 - 100+
B	80 - 89
C	70 - 79
D	60 - 69
F	59 and below

HCC Grading Scale can be found on this site under Academic Information:
<http://www.hccs.edu/resources-for/current-students/student-handbook/>

Course Calendar

Week	Dates	Topic/What's due
1		Syllabus/HTML Overview IMED-2351 Syllabus Quiz
2		Assignment 1 – JavaScript Essentials Quiz 1 – HTML and CSS
3		Assignment 2 – JavaScript Variables Assignment 3 – JavaScript Conditionals
4		Assignment 4 – JavaScript Loops and Arrays Quiz 2 – JavaScript
5		Assignment 5 – Forms Study for Midterm-Work On Midterm Website
6		Midterm Presentation/Midterm Test
		SPRING BREAK 3/15 to 3/21
7		Assignment 6 – JQuery Introduction Assignment 7 – JQuery Selectors, and Events
8		Assignment 8 – JQuery Cookies, Local Storage
9		Assignment 9-10 – JQuery Modals and Sliders
10		Work on Final Project
11		Work on Final Project
12		Quiz 3 – JQuery Final Website Project Presentations

Syllabus Modifications

The instructor reserves the right to modify the syllabus at any time during the semester and will promptly notify students in writing, typically by e-mail, of any such changes.

Instructor's Practices and Procedures

Missed Assignments

DIGITAL COMMUNICATION LATE ASSIGNMENT POLICY: Every assignment has a due date and students are expected to submit their assignments by the assigned due date. It is the student's responsibility to read and adhere to all assignment due dates listed on the assignment handouts. The purpose of this policy is to help students with time management and ensure optimum academic success in the classroom.

ALL Assignments are due midnight on the due dates indicated. Technical issues are not valid excuses for late work. Any assignment posted or turned in after the indicated due dates will be subjected to the following:

- 1 – 24 hours late loses 25% off the total earned grade.
- 24 – 48 hours additional 25% off (50% off the total earned grade.)
- 48 – 72 hours additional 25% off (75% off the total earned grade.)
- 72 – 96 hours additional 25% off (100% off the total earned grade.)

Assignments will NOT be accepted after the fourth day of the due date.

Note to instructors: Near the end of the semester students can be given the opportunity to make up missed assignments, and/or zeros (0) through extra credit. **This will be given at the instructor's discretion.**

Academic Integrity

Students should not copy, plagiarize work, or use templates in IMED-2351. "Plagiarism" shall be defined as the appropriating, buying, receiving as a gift, or obtaining by any means another's work and the unacknowledged submission or incorporation of it in one's own work.

Here's the link to the HCC information about academic integrity (Scholastic Dishonesty and Violation of Academic Scholastic Dishonesty and Grievance):

<http://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-procedures/>

Attendance Procedures

Class attendance is monitored daily. Although it is the student's responsibility to drop a course for nonattendance, the instructor has the authority to drop a student for excessive absences. A student may be dropped from a course after accumulating absences in excess of 12.5 percent (6 hours or 3 days) of the total hours of instruction (lecture and lab).

Student Conduct

No student may disrupt or otherwise interfere with any educational activity being performed by a member of the college district. In addition, no student may interfere with his/her fellow students' right to pursue their academic goals to the fullest in an atmosphere appropriate to a community of scholars.

Instructor's Course-Specific Information

IMED-2351 Digital Media Programming (Javascript - JQuery) is Web-enhanced (49% or less) and Face to Face. This course is part online course combining instructions and lectures, Forum discussions (Q&A), and teacher examples. Each project has a reasonable amount of lab time to allow students time to use labs or libraries.

Electronic Devices

The use of your personal laptop by students in the classroom is permitted. Any use of such devices for purposes other than student learning is strictly prohibited. Cell phones should be placed on silent, and phone calls can be taken in the hallway. If a Cell phone becomes disruptive and/or inappropriate, the instructor has the right to ask the student to terminate such use.

Digital Media Program Information

HCC Digital Media Program is an accredited institutional member of the National Association of Schools of Art and Design (NASAD). All our courses are WACOM Certified, and are eligible for transfer to all major universities.

HCC Policies

Here's the link to the HCC Student Handbook <http://www.hccs.edu/resources-for/current-students/student-handbook/> In it you will find information about the following:

Academic Information	Incomplete Grades
Academic Support	International Student Services
Attendance, Repeating Courses, and Withdrawal	Health Awareness
Career Planning and Job Search	Libraries/Bookstore
Childcare	Police Services & Campus Safety
disAbility Support Services	Student Life at HCC
Electronic Devices	Student Rights and Responsibilities
Equal Educational Opportunity	Student Services
Financial Aid TV (FATV)	Testing
General Student Complaints	Transfer Planning
Grade of FX	Veteran Services

EGLS³

The EGLS³ ([Evaluation for Greater Learning Student Survey System](#)) will be available for most courses near the end of the term until finals start. This brief survey will give invaluable information to your faculty about their teaching. Results are anonymous and will be available to faculty and division chairs after the end of the term. EGLS³ surveys are only available for the Fall and Spring semesters. -EGLS3 surveys are not offered during the Summer semester due to logistical constraints.

<http://www.hccs.edu/resources-for/current-students/egls3-evaluate-your-professors/>

Campus Carry Link

Here's the link to the HCC information about Campus Carry:

<http://www.hccs.edu/departments/police/campus-carry/>

HCC Email Policy

When communicating via email, HCC requires students to communicate only through the HCC email system to protect your privacy. If you have not activated your HCC student email account, you can go [to HCC Eagle ID](#) and activate it now. You may also use Canvas Inbox to communicate.

Housing and Food Assistance for Students

Any student who faces challenges securing their foods or housing and believes this may affect their performance in the course is urged to contact the Dean of Students at their college for support. Furthermore, please notify the professor if you are comfortable in doing so.

This will enable HCC to provide any resources that HCC may possess.

Office of Institutional Equity

Use the link below to access the HCC Office of Institutional Equity, Inclusion, and Engagement (<http://www.hccs.edu/departments/institutional-equity/>)

disAbility Services

HCC strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please meet with a campus Abilities Counselor as soon as possible in order to establish reasonable accommodations. Reasonable accommodations are established through an interactive process between you, your instructor(s) and Ability Services. It is the policy and practice of HCC to create inclusive and accessible learning environments consistent with federal and state law. For more information, please go to <http://www.hccs.edu/support-services/disability-services/>

Title IX

Houston Community College is committed to cultivating an environment free from inappropriate conduct of a sexual or gender-based nature including sex discrimination, sexual assault, sexual harassment, and sexual violence. Sex discrimination includes all forms of sexual and gender-based misconduct and violates an individual's fundamental rights and personal dignity. Title IX prohibits discrimination on the basis of sex-including pregnancy and parental status in educational programs and activities. If you require an accommodation due to pregnancy please contact an Abilities Services Counselor. The Director of EEO/Compliance is designated as the Title IX Coordinator and Section 504 Coordinator. All inquiries concerning HCC policies, compliance with applicable laws, statutes, and regulations (such as Title VI, Title IX, and Section 504), and complaints may be directed to:

David Cross
 Director EEO/Compliance
 Office of Institutional Equity & Diversity
 3100 Main
 (713) 718-8271
 Houston, TX 77266-7517 or Institutional.Equity@hccs.edu
<http://www.hccs.edu/departments/institutional-equity/title-ix-know-your-rights/>

Department Chair Contact Information

Andre Hermann, andre.herman@hccs.edu, 713.718.7891

Also Complete the Syllabus Acknowledgment Form Online at:

<http://swc2.hccs.edu/digicom/pages/profile.php>