



Digital Media Programming • IMED 2351

Spring 2012 • CRN 84559

West Loop Center, Room 136 • Tue/Thu, 11:30 a.m. – 1:20 p.m.

Semester Credit Hours (2 lecture, 4 lab) • 96 hours (32 lecture, 32 lab, 32 Web enhancement) • 16 weeks

Instructor: Paul Roberts • Telephone: 713.718.7892 • Email: paul.roberts@hccs.edu (not for assignments)

Email for assignments submission: roberts.hccs@yahoo.com

Class Web site: <https://hccs1.mrooms3.net/>

Digital Communication Department Web site: <http://swc2.hccs.edu/digicom/>

Office Location and Hours

Office: West Loop Room 139A

Office Hours: Mon–Thu, 9:00–9:30 and 1:30–2:00, or by appointment

Your performance in this class is important to me. Please communicate with me concerning problems you are experiencing in the course before your grade suffers. I am available to discuss your concerns and other course matters.

Course Information and Description

Course Semester Credit Hours: 3 credit hours (2 lecture, 4 lab)

Total Course Contact Hours: 96

Course Length: 16 weeks

Type of Instruction: Lecture/Lab

Description:

Advanced topics in digital media programming including custom scripts for data tracking. Emphasis on developing digital media programs customized to the client's needs. (Co-requisite: IMED 1316, or Departmental Approval.)

- Frequent Requisites: GUST 0341 (7th -9th Grade Reading), MATH 0306 (Basic Math Pre-Algebra), ENGL 0300 or ENGL 0347
- Co-requisites: ARTC 1325, ARTC 1305 and IMED 1316

Program Learning Outcomes

- Demonstrate ability to select and apply industry standard software in design.
- Design and demonstrate use of software and techniques in Digital Communication's practical applications.
- Develop a portfolio of work that demonstrates proficiency in skills for employment.
- Present a portfolio of work that demonstrates proficiency in skills for employment.

Student Learning Outcomes

- Create and utilize custom functions and variables
- Develop error-checking objects
- Design intuitive navigation structures
- Utilize advanced programming syntax

Learning Objectives

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 build a drop-down navigation menu
- Apply client-side form verification

Design intuitive navigation structures

- Combine CSS with JavaScript to develop expandable navigation menus

Utilize advanced programming syntax

- Set cookies on the client computer
- Integrate JavaScript with CSS to hide, show and move objects

Secretary's Commission on Achieving Necessary Skills (SCANS)

The Secretary's Commission on Achieving Necessary Skills (SCANS) from the U.S. Department of Labor examined the demands of the workplace and whether young people are capable of meeting those demands.

SCANS research verifies that what we call workplace know-how defines effective job performances today. This know-how has two elements: competencies and foundations. These requirements are essential preparation for all students, whether they go directly to work or plan further education.

SCANS workplace competencies and foundation skills have been integrated into *Digital Media Programming (IMED 2351)*. The following SCANS items are covered in this course:

Create and utilize custom functions and variables

- Foundation Skills: Basic — Reading
- Foundation Skills: Basic — Writing
- Foundation Skills: Personal Qualities — Social
- Workplace Competencies: Resources — Allocates Money

Develop error-checking objects

- Foundation Skills: Basic — Listening
- Foundation Skills: Personal Qualities — Self-Management
- Workplace Competencies: Resources — Allocates Material & Facility Resources

Design intuitive navigation structures

- Foundation Skills: Thinking — Seeing Things in the Mind's Eye
- Foundation Skills: Personal Qualities — Integrity/Honesty
- Workplace Competencies: Technology — Selects Technology

Utilize advanced programming syntax

- Foundation Skills: Basic — Mathematics
- Foundation Skills: Basic — Speaking
- Foundation Skills: Thinking — Decision Making
- Foundation Skills: Thinking — Creative
- Foundation Skills: Thinking — Problem Solving
- Foundation Skills: Thinking — Reasoning
- Foundation Skills: Personal Qualities — Self-Esteem
- Foundation Skills: Personal Qualities — Responsibility

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- Workplace Competencies: Resources — Allocates Time
 - Workplace Competencies: Information — Acquires & Evaluates
 - Workplace Competencies: Information — Organizes & Maintains
 - Workplace Competencies: Information — Interprets & Communicates
 - Workplace Competencies: Information — Uses Computers to Process
 - Workplace Competencies: Systems — Understands Systems
 - Workplace Competencies: Systems — Monitors & Corrects Performance
 - Workplace Competencies: Systems — Improves & Designs Systems
 - Workplace Competencies: Technology — Applies Technology to Task
 - Workplace Competencies: Technology — Maintains & Troubleshoots

Instructional Methods

- Hybrid (50% or more)
- Web-enhanced (49% or less)
- Face to Face

As your instructor, I regard your success as my success. I am responsible for presenting core JavaScript language and CSS skills to you in lecture and demonstration. I deploy classroom demonstrations to the Internet so you can study the code and experiment with it.

Part of the learning process comes after demonstrations in the form of guided practice. To assist you in learning this technology, I have prepared a series of exercises for you to complete for grades. Students who complete the exercises usually do well in the course while those who skip them fail to understand the requirements for the individual midterm and final projects. Each exercise has a working example and an assessment rubric to guide you.

These exercises will be available on specific release dates at Eagle Online. You will find student files in a zipped folder, rubrics and online examples of each completed exercise. Also a discussion board is available at Eagle Online for you to pick each other's minds for answers to problems you encounter. Check it out. You might find answers to your questions.

Once you have worked through the guided practice, you will be prepared to apply those skills to your individual projects. Those projects should be something of a professional nature that interests you. Some students have asked that I provide a topic for them. I gladly have done so, but nobody has ever taken me up on my assigned topic. If you are interested in finding out why, ask me to provide you with a project topic. I predict you'll find your own idea.

As with the exercises, you may use the rubric associated with each of these assignments as a guideline. Use the rubrics and fulfill all listed requirements to help you control the grade you earn. Again, you can use the discussion board to help each other solve problems with your projects.

These course practices are in place to assist you with your success. Take advantage of them to help you continue on track of developing Web publishing skills that will serve you well not only in subsequent courses, but in your career.

I am available as your mentor. Please do not hesitate to ask for help in understanding concepts that we cover and in learning how to find solutions on your own. It is a matter of practice — lots of it.

I wish you success.

Student Assignments

The State of Texas requires the following lists, even though they do not make clear sense. They are for the convenience of educrats and state assessors. A discussion of assignments specific to this class follows, and it should be meaningful. Look for the asterisk (*) for the information you need. You can ignore what precedes it.

Create and utilize custom functions and variables

- Discussions
- Projects
- Lab Exercises
- Homework Exercises

Develop error-checking objects

- Discussions
- Projects
- Lab Exercises
- Homework Exercises

Design intuitive navigation structures

- Discussions
- Projects
- Lab Exercises
- Homework Exercises

Utilize advanced programming syntax

- Discussions
- Presentations
- Projects
- Portfolios
- Lab Exercises
- Homework Exercises

*Assignments must be submitted to the instructor on time as specified on the syllabus or in class. Because you are developing workforce skills, you must submit your assignments on time. Late assignments will receive a grade deduction of one letter grade for each class day they are late. No make-up assignments or extra credit work will be available. I will not accept late final projects. Observe the due date and time, and pace yourself to with the date and time in mind. I will not make any exceptions.

Exercise Projects

The class meets four hours each week in the classroom. Two additional hours of on-line work are expected. Students shall complete assigned practice exercises and upload the projects to their FTP sites. Notify the instructor by email that the work is complete. In an attempt to develop professional skills in writing email messages, the notification must include a courteous and succinct message to the instructor and the URL to the completed exercise.

The instructor will evaluate your work according to the rubrics provided with each exercise. This rubric is available to give you a heads-up on how your work will be evaluated. Use the rubric as a guideline for completing each exercise. The instructor will grade your work and return the evaluation to you via email.

Midterm and Final Projects

Your enrollment in this class is intended to develop professional skills. Thus, midterm and final assignments must be professional in nature. Many students like to make hobby pages rather than professional pages. Some hobbies

involve professional topics while others are nothing more than hobbies. How you approach a topic could mark the difference between your hobby and professional subject matter. Many topics that might seem non-professional could work very well, depending on whether you place it into a meaningful professional context.

Submission of Projects for Grading

Tutorial, midterm and final projects must be loaded to your server when submitted. Also, zip all project files (and only project files with nothing extra) and attach the zipped folder to the message notifying the instructor that you have completed the work. The notification shall include a professionally written and courteous email message to the instructor with your name, project designation, due date and the last four digits of your student ID number. Following is the email address for submitting assignments:

roberts.hccs@yahoo.com

Give the exact URL, including the complete file name. If you do not submit notification that the assignment is ready, the instructor will assign a zero grade. You must submit a notice in order to receive credit for your work. This will be strictly enforced. No exceptions.

Note: The above email address is for submitting assignments only. If you have a concern, you may talk to me face-to-face, leave a message on my voice mail, or post it to the class message board at Eagle Online.

To repeat, under no circumstances will extra credit be given.

Midterm Assignment

Your midterm assignment is to build a two-page Web site that includes JavaScript. You may not use Dreamweaver or any other WYSIWYG editor to write your scripts. You must use a simple text editor only. You must link these pages to each other, and the site must include the features noted on the Web Site Evaluation rubric that you will find at Eagle Online. It is suggested that you download that form and use it as a checklist in completing your midterm project.

The topic is up to you as long as it meets the guidelines set forth in your agreement when you apply for server space. If you use the same topic for both midterm and final projects, you must add the specified number of pages to the Web site for the final project. You may not use the same pages twice. Further, you must develop your JavaScript in a simple text editor. You may not use any other Web authoring tools. The project is due **March 8, 2012**.

A word about earning an A grade: If you complete only the above requirements, your grade will be a B. It is essential that all of the requirements are met. In order for the grade to go to an A, you must include an aesthetically pleasing project. This is where your artistic design and portfolio quality will receive credit. If you have any questions regarding this, it is your responsibility to ask the instructor.

Final Project

Your final assignment must include the features noted on the Web Site Evaluation form that you will find at the class Web site. It is suggested that you download that form and use it as a checklist in completing your final project.

You will construct a Web site that includes JavaScript for your final project. This site must include a minimum of four HTML documents. If you use the same topic for both midterm and final projects, you must develop four new pages for the final assignment. You may not use Dreamweaver or any other WYSIWYG editor to write your scripts. You must use a simple text editor only.

If you completely re-work the two pages from your midterm assignment, you may count them as two of the four final pages. These documents must be linked to each other. The subject matter of the Web site is your choice as long as it meets the policy guidelines set forth in the Web Site Agreement.

The final project must be on the DigiCom server and ready for presentation at the beginning of the session on **May 3, 2012**. NOTE: Your project must be loaded and operational on the DigiCom server. No other server will be allowed for submitting the project without prior arrangement. As a safety measure, be sure you can present it from a local drive in the event the server cannot be accessed. When you present the project, be prepared to do the following:

- Explain what was involved in the development of the Web site.
- Explain any problems you encountered with the project.
- Explain how you solved those problems.
- Explain five things you learned about the Internet, HTML and/or Web site development from doing this project.

Make a note of this: No late final projects will be accepted. Anyone attempting to turn in projects after deadline will receive an automatic zero. No exceptions.

A word about earning an A grade: If you complete only the above requirements, your grade will be a B. It is essential that all of the requirements are met. In order for the grade to go to an A, you must include an aesthetically pleasing project. This is where your artistic design and portfolio quality will receive credit. If you have any questions regarding this, it is your responsibility to ask me.

Student Assessments

The state makes specific requirements here also — strictly for its convenience. We must humor it with this nonsense because the legislature passed laws under the leadership of Gov. Rick Perry. They think this makes things easier — for the educrats. So here is the mandated content:

Create and utilize custom functions and variables

- In-class debates
- Various assigned readings from textbooks

Develop error-checking objects

- In-class discussions
- Group and/or individual projects

Design intuitive navigation structures

- In-class discussions
- Group and/or individual projects

Utilize advanced programming syntax

- Presentations
- Group and/or individual projects

Now for the part that might make some sense to you. As you have seen, the course has a clearly outlined set of learning outcomes. Along with those outcomes, I have a means of assessing how those outcomes will be accomplished. The following table delineates these outcomes and corresponding assessments.

Outcome	Assessment
Create and utilize custom functions and variables.	Complete a series of exercises that requires declaring and assigning variables and incorporating them in functions that add functionality to the exercise Web project. These features are also required in individual midterm and final projects. These include arrays that generate dynamic time messages and content that displays the current day of the week, date and year on the Web page.
Develop error-checking objects.	Implement form verification script that ensures the correct completion of user-input data before it is sent to a server data store. This feature is part of a lab exercise and a requirement in the final project for the course.
Design intuitive navigation structures.	Use a drop-down navigation menu in the midterm project. Upgrade that to a series of expandable menus that is driven by JavaScript in concert with CSS.
Utilize advanced programming syntax.	Develop a final project that requires setting cookies in a Web site. This is useful to personalizing a visitor's experience and to delivering a customized welcoming message when the visitor returns to the site. Also required is the process of pre-loading objects into the browser's memory for their use in image rollovers and cycling banners on the Web page. These are among the requirements set out on the course's exercise assignments.

Instructor Requirements

As your instructor, it is my responsibility to do the following:

- Provide the grading scale and detailed grading formula explain how student grades are calculated.
- Facilitate an effective learning environment through class lectures, demonstrations and lab opportunities.
- Describe projects and assignments.
- Inform students of policies such as attendance, withdrawal, tardiness and make up assignment.
- Provide course outline and class calendar, which will include a description and due dates of projects and assignments.
- Arrange time to meet with individual students before and after class as needed.

To be successful in this class, it is your responsibility to do the following:

- Attend class and participate in class discussion and activities.
- Read and comprehend the textbook.
- Complete required assignments and exams.
- Ask for help where you have questions or problems.
- Visit Eagle Online regularly to obtain handouts and assignments.
- Participate in discussions at Eagle Online.
- Keep the syllabus handy for reference when questions arise about course policies, assignments, deadlines, etc.

Program General Requirements and Objectives

- Complete and comprehend the objectives and technologies involved in all graded assignments.
- Demonstrate the ability to apply creative thinking and problem solving to all class projects and assignments.
- Complete all reading assignments pertaining to the subject matter of the course.
- Attend class regularly, missing no more than 12.5% of instruction and lab time (12 hours)
- Arrive at class promptly and be prepared with necessary books, storage media, assignments, and anything else required.
- Exhibit safe and courteous lab habits.

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- Develop and share knowledge and information with fellow students.
 - Participate in keeping labs clean and organized; shutting down computers when finished; abiding by lab rules; showing respect for instructors, fellow students and lab assistants.
 - Participate in class discussions and critiques.
 - Demonstrate the ability to communicate in a clear, coherent manner.
 - Turn in all assignment on time and in the manner required by the instructor.
 - Demonstrate the ability to use computer-based technology and software applications as it applies to be given class.
 - Understand and be proficient in computer file management, including saving and retrieving files.
 - When possible, demonstrate the ability to use and understand both Macintosh and Windows operating systems.
 - Demonstrate knowledge and the ability to use applicable peripherals and storage devices.
 - Develop a portfolio that illustrates concepts, techniques, and programs used in solving class assignment, including a written statement describing project concepts and processes.
 - Demonstrate ability and creativity in using computer-based technology in communicating, solving problems and acquiring information.
 - Accept responsibility for personal understanding of course requirements and degree plan.

HCC Grading Scale

These letter grades have corresponding percentage scores. The letter grades correspond to the percentage grades as follows:

A = 90–100	4 points per semester hour
B = 80–89	3 points per semester hour
C = 70–79	2 points per semester hour
D = 60–69	1 points per semester hour
F = 0–59	0 points per semester hour
FX (<i>Failure due to non-attendance</i>)	0 points per semester hour
IP (<i>In Progress</i>)	0 points per semester hour
W (<i>Withdrawn</i>)	0 points per semester hour
I (<i>Incomplete</i>)	0 points per semester hour
AUD (<i>Audit</i>)	0 points per semester hour

IP (*In Progress*) is given only in certain developmental courses. The student must re-enroll to receive credit. COM (*Completed*) is given in non-credit and continuing education courses. To compute grade point average (GPA), divide the total grade points by the total number of semester hours attempted.

The grades "IP," "COM" and "I" do not affect GPA.

Instructor Grading Criteria

Each assignment has a corresponding rubric available to guide you. I urge you to use the rubric. Your work will be evaluated according to the following criteria:

- *Adherence to the assignment:* Although you may go beyond the demands of the assignment, you must meet the outlined requirements. If the assignment is not clear to you, it is your responsibility to ask for clarifications before doing it.
- *Adherence to deadline:* Deadlines in the publishing field are essential to success and are just plain good business. While flexibility with grade demerits is possible on work through the semester, deadlines on final assignments and exams are not flexible. Allowing you to extend a deadline at the end of the semester holds up processes beyond the instructor's control. That shall not happen under any

circumstance. Learn to meet deadlines throughout the semester rather than training yourself to push beyond the limits.

- *Appropriateness*: Follow the assignment guidelines and matters of good taste.
- *Level of difficulty*: More sophisticated work may receive higher scores.
- *Layout*: Consider balance of elements, use of white space, skillful use of fonts, sizes and style.
- *Quality of Execution*: Strive for excellence. All work should be an attempt at portfolio quality. Only work deemed by the instructor to be of portfolio quality will receive an A grade.

Using the above criteria, your work will be assessed on five levels:

- A Exceptional (*This means you have gone beyond the requirements and have reached portfolio quality.*)
- B Excellent (*This means you have met the requirements.*)
- C Acceptable (*This means your work is average and needs improvement.*)
- D Not good enough (*Although it is passing, it shows a lack of interest in developing workforce skills.*)
- F Fail (*Why did you bother?*)

You will be able to find your final grade by going to the HCCS Web site at <http://www.hccs.edu/>. The course grade will be based on the following:

Participation	10 percent
Exercise projects	15 percent
Midterm project	30 percent
Final project.....	45 percent

Instructional Materials

Required Textbook and Materials

- David Flanagan. *JavaScript: The Definitive Guide*, 6th Ed. Sebastopol, CA: O'Reilly Media, Inc., 2011 [ISBN-10: 0596805527 / ISBN-13: 978-0596805524]
- Lenny Burdette. *The JavaScript Pocket Guide*. Berkeley, CA: Peachpit Press, 2010. [ISBN-10: 0321700953 / ISBN-13: 978-0321700957]
- Mass storage device
- One ream of laser paper

Suggested Hosting Services

- <http://hostgator.com>
- <http://godaddy.com>

Software Used

- Web browser
- Text editor
- Basic bit-map software
- FTP client
- File compression software

HCCS Policy Statements

Access Student Services policies on its website:

<http://hccs.edu/student-rights>.

The following are some highlights that might be useful to you:

ADA (Students With Disabilities)

"The Disability Support Services (DSS) Office assists students with physical, learning, or emotional disabilities in developing independence and self-reliance. Services include adaptive equipment and reasonable accommodations for admissions assistance, testing, academic advising, registration, and classroom instruction. Interpreting service is provided for students who are deaf/hard of hearing and assistive technology devices are provided for students who are blind.

"HCCS is committed to compliance with the Americans with Disabilities Act (ADA) and the Rehabilitation Act of 1973 (Section 504). If you have any special needs or disabilities which may affect your ability to succeed in college classes or participate in college program/activities, please contact the DSS Office at the college you plan to attend. Upon consultation and documentation, you will be provided with reasonable accommodations. Academic accommodations will be provided only after students have properly registered for services through designated disability services staff.

"It is recommended that you contact the DSS Office at least 60 days prior to the beginning of the term. Additional procedures are outlined in the HCCS Student Handbook." (Source: Houston Community College System Catalog)

Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Disability Services Office at the respective college at the beginning of each semester. Faculty are authorized to provide only the accommodations requested by the Disability Support Services Office. If you have any questions, please contact the disability counselor at your college or Donna Price at 713-718-5165. (HCCS Institutional Statement)

Students with verifiable disabilities that offer legal protection under the Americans With Disabilities Act may receive reasonable accommodations to assist in succeeding in the course. If you have a disability and wish to receive such reasonable accommodations, you must see the ADA counselor, Dr. Becky Hauri, at 713.718.7909. Without a recommendation from the DSS Office, the instructor cannot make such accommodation.

Academic Honesty

The following comes from the HCCS Student Handbook:

Students are responsible for conducting themselves with honor and integrity in fulfilling course requirements. Penalties and/or disciplinary proceedings may be initiated by College System officials against a student accused of scholastic dishonesty.

"Scholastic dishonesty" includes, but is not limited to, cheating on a test, plagiarism, and collusion.

"Cheating" on a test includes:

- Copying from another student's test paper;
- Using materials during a test that are not authorized by the person giving the test;
- Collaborating with another student during a test without authority;
- Knowingly using, buying, selling, stealing, transporting, or soliciting in whole or part the contents of an unadministered test;
- Bribing another person to obtain a test that is to be administered.

"Plagiarism" means the appropriation of another's work and the unacknowledged incorporation of that work in one's own written work offered for credit.

"Collusion" means the unauthorized collaboration with another person in preparing written work offered for credit.

VIOLATIONS

Possible punishments for academic dishonesty may include a grade of “0” or “F” on the particular assignment, failure in the course, and/or recommendation for probation or dismissal from the College System. A recommendation for suspension or expulsion will be referred to the College Dean of Student Development for disciplinary disposition.

Students who wish to appeal a grade penalty should notify the instructional supervisor within 30 working days of the incident. A standing committee appointed by the College Dean of Instruction (Academic or Workforce) will convene to sustain, reduce, or reverse the grade penalty. The committee will be composed of two students, two faculty members, and one instructional administrator. A majority vote will decide the grade appeal and is final.

Student Attendance

The HCCS Catalog states, “A student may be dropped from a course for excessive absences after the student has accumulated absences in excess of 12.5% of the hours of instruction (including lecture and laboratory time).” That is equivalent to two weeks of class.

Attendance will be checked during the first 30 minutes of each class session. Your attendance is considered to be part of class participation and will affect your final grade. The instructor does not agree to issue administrative withdrawals for students who have excessive absences. Students with excessive absences will receive the grade earned up to the point of departure from the course. The instructor makes no distinction between excused and unexcused absences.

This policy does not discriminate on the basis of race, color, religion, national origin, citizenship, sex, sexual orientation, age, or disability.

Repeated Courses

Students who repeat a course two or more times face significant tuition/fee increases at HCC and other Texas public colleges and universities. If you are considering course withdrawal because you are not earning passing grades, confer with your instructor/counselor as early as possible about your study habits, reading and writing homework, test-taking skills, attendance, course participation, and opportunities for tutoring or other assistance that might be available.

Course Withdrawals

The deadline to drop classes is 4:30 p.m. March 29.

The 2007 legislative session passed a law that limits the number of withdrawal (W grade) a students may have to six classes over the course of their entire academic career. This policy is effective for students entering higher education for the first time in Fall 2007 and subsequent terms. Withdrawals accumulated at any other Texas public higher education institution count toward the six-course total.

There are a number of permissible exceptions to the six course limit, such as personal medical emergency, emergency needs of family members, work schedules, military duty, and other exceptions as approved by the college.

Policies and procedures for implementation of this legislation are being developed and will be published as soon as they are available.

This statute applies to all Texas public colleges and universities. Therefore, HCC students affected by this statute, who have attended or plan to attend another institution of higher education, should become familiar with that institution’s policies on dropping classes.

Course Requirements

The student will develop a Web site that includes the following minimal requirements:

- Alert message box
- Status bar message
- Sub-window with contents set by JavaScript
- Navigation menu
- Display current date including current day of week
- Detect browser and give a different response for MSIE and Netscape
- Radio buttons/checkboxes that set values in another form element
- Rollover images
- Rollover on an image map
- Cookie that welcomes repeat visitor by name

Course/Lab Policies

- No handwritten work will be accepted.
- Work turned in past the deadline will receive a failing grade.
- No make-up tests or classroom exercises will be given.
- Information covered in class will not be repeated for tardy or absent students.
- Plagiarism is inexcusable and will result in an automatic F for the course.
- Lab time provided during class is for this course only. Students remaining for lab must use the time for this course. Those doing other work will be asked to leave.
- No software, hardware, or manuals may be removed from the lab. Software and manuals may not be copied. Lab rules are to be strictly followed. Failure to comply with these rules will mean expulsion from both class and lab.
- No food or drink is allowed in the labs for the protection of the equipment.
- Only those currently registered for courses are allowed to use the HCC computer labs. No children, spouses, parents or friends are allowed in the labs. Children especially are not allowed on campus at any time. This is college policy and there are no exceptions.
- Students are required to sign-in and carry their student ID or paid receipt when they are in an open lab. If you are asked to show your ID or receipt to a lab aide and cannot do so, you may not be allowed to remain in the lab.
- No outside software is allowed on HCC computers.
- Open labs are for students to work on school work only. If you have outside work to do, numerous commercial centers are located throughout the city where computer time is available for a fee. Students working on projects other than those assigned for class work will be asked to leave.
- Computers with a scanner attached are reserved for scanning only.
- Students may not change mice or connect peripherals to any computer.
- We expect patrons of the lab to conduct themselves in a professional manner. Those who cannot do so will be asked to leave. When asked to leave, students must do so without argument. This is especially true at closing time.
- Silence cell phones and pagers while in class and lab. Interrupting a class for your telephone call is extremely rude and may be treated in like manner. If you must talk on the phone, please leave the classroom before answering a call or beginning a conversation.
- The use of voice recording devices in the lab is permitted only with the written recommendation from the ADA counselor as a reasonable accommodation intended to assist a student with disabilities to succeed in the course. Use of voice recording devices without such documentation is strictly prohibited.
- Once each class session begins, the door will be closed and will not be opened during lectures and demonstrations. If you arrive for class after lecture/demonstration has begun, you will not be admitted. If you need to leave the room during a lecture or demonstration, you will not be re-admitted until after the lecture/demonstration is complete.

Students may find the following information in the student handbook and college catalog:

- Withdrawal Policy
- Refund Policy
- Plagiarism Policy
- Attendance Requirements
- Grading Scale

“The Houston Community College System seeks to provide equal educational opportunities without regard to race, color, religion, national origin, sex, age or handicap. This policy extends to employment, admission, and all programs and activities supported by the College.”

EGLS3 — Evaluation for Greater Learning Student Survey System

At Houston Community College, professors believe that thoughtful student feedback is necessary to improve teaching and learning. During a designated time, you will be asked to answer a short online survey of research-based questions related to instruction. The anonymous results of the survey will be made available to your professors and division chairs for continual improvement of instruction. Look for the survey as part of the Houston Community College Student System online near the end of the term.

Distance Education and/or Continuing Educations Policies

Access Distance Education on its website:

http://de.hccs.edu/Distance_Ed/DE_Home/faculty_resources/PDFs/DE_Syllabus.pdf

Access Continuing Education on its website:

<http://hccs.edu/CE-student-guidelines>

Course Calendar

Following is a *tentative* outline of discussion topics and class assignments for the term.

Week One Syllabus

Topics: Student profiles
Introductions
Syllabus overview
Eagle Online overview

Week Two Flanagan • Chapters 1–2, 17

Topics: Authoring tools
Origins of JavaScript
Browser wars
What JavaScript is and what it can do
Object-oriented language
Event handling
Assignments and comparisons
Reserved words
Variables and assignments
Functions
Getting a jumpstart with JavaScript
Debugging JavaScript using Comment lines

Week Three **Flanagan • Chapter 13**

Topics: Authoring tools
 Browser and document objects
 Scripts and HTML documents

Independent Practice Exercise 1: Download from the class Web site the zip file that contains the framework for the *Fantasia Storybooks* exercise. This assignment is the foundation for subsequent assignments as the semester progresses. Complete the exercise by writing two simple scripts as directed. Upload the exercise to the department server and send the complete URL to the instructor for evaluation and a grade. *Due February 7.*

Week Four **Flanagan • Chapter 14**

Topics: Document Object Model (DOM)
 Window and document objects

Independent Practice Exercise 2: Download from the class Web site the zip file that contains additional files the *Fantasia Storybooks* exercise. Add them to your project and incorporate the window objects into the exercise. *Due February 14.*

Week Five **Flanagan • Chapter 3–5**

Topics: Expressions
 Conversions
 Operators
 Boolean logic and control structures
 String objects
 Math objects
 Date objects
 Variables and variable scope
 Functions

Independent Practice Exercise 3: Download from the class Web site the zip file that contains additional files the *Fantasia Storybooks* exercise. Add them to your project and incorporate the variables into the exercise. *Due February 21.*

Week Six **Flanagan • Chapters 6–8, 15**

Topics: Objects
 Arrays
 Loops
 Navigation menus
 Selecting menu items
 Radio buttons
 Dates and time

Independent Practice Exercise 4: Download from the class Web site the zip file that contains additional files the *Fantasia Storybooks* exercise. Add them to your project and incorporate the arrays into the exercise. *Due February 28.*

Week Seven

Topics: Work on midterm project. Project is due March 8.

Week Eight **Midterm Projects**

Topics: Midterm projects due for presentation March 8. No late assignments accepted. You must be ready at the beginning of class to present it from the server. No exceptions.

Week Nine

Topics: iFrames and multiple windows

Week Ten **Flanagan • Chapter 21**

Topics: Handling images
Rollovers
Cycling banners
Building slide shows
Combining rollovers with an image map
More on event handling

Independent Practice Exercise 5: Download from the class Web site the zip file that contains additional files the *Fantasia Storybooks* exercise. Add them to your project and incorporate image map rollovers and cycling banner into the exercise. *Due April 3.*

Week Eleven **Flanagan • Chapter 20**

Topics: Form elements
Validation of information
Cookies

Independent Practice Exercise 6: Download from the class Web site the zip file that contains additional files the *Fantasia Storybooks* exercise. Add them to your project and incorporate form elements with cookies and dynamic responses into the exercise. *Due April 10.*

Week Twelve **Flanagan • Chapter 16**

Topics: Cascading Style Sheets
Animating objects in <div> elements

Independent Practice Exercise 7: Download from the class Web site the zip file that contains additional files the *Fantasia Storybooks* exercise. Add them to your project and incorporate object animation and the dynamic gallery into the exercise. *Due April 17.*

Week Thirteen **Flanagan • Chapter 19**

Topics: CSS and DHTML
Overview of jQuery Library

Independent Practice Exercise 8: Download from the class Web site the zip file that contains additional files the *Fantasia Storybooks* exercise. Add them to your project and incorporate working drop-down menus into the exercise. *Due April 24.*

Week Fourteen

Topic: Work on final project. *Due May 3.*

Week Fifteen **Final Presentations**

Topics: Presentation of final projects at the beginning of the class session May 3. You must submit your work at that time. Absolutely no late assignments accepted. If your work is not complete, submit what you have done.

Week Sixteen **Final Examination**

Topics: Finish presentations of final projects at the beginning of the final session May 8.

Dates to Remember

January 17	Classes begin – Drop/Add/Swap fee (\$15) begins
January 17 – February 2	70 percent refund for classes dropped
January 18	Registration ends – Last day for Drop/Add/Swap
February 3 – 8	25 percent refund for classes dropped
February 15	Priority deadline for Spring completion of degree/certificate
February 20	Presidents Day holiday (Classes and offices closed)
March 12 – 18	Spring Break (Classes and offices closed)
March 29	Last day for administrative/student withdrawals (4:30 p.m.)
April 6 – 8	Spring holiday (Classes and offices closed)
April 13	Veteran’s advanced-pay application deadline for Summer term
April 16	Deadline for Spring federal student loans
May 3.....	Instruction ends
May 8.....	Final examination

Acknowledgment of Syllabus/Consent Statement

Please fill in the following information and return this page to the instructor before leaving class. Also, please read the consent paragraph and check the box if you agree to allow your work to be displayed. Not checking the box implies that you do not grant your consent to display your work.

Student Name: _____

Student ID Number: _____

Student Home Phone: _____

Student Work Phone: _____

I have read and understand the contents of the course syllabus for *IMED 2351—Digital Media Programming*.

By checking this box, I voluntarily agree to the following conditions:

- Give my consent to allow the work I do for this class to be displayed in a variety of venues, including art exhibitions, student expos, classroom demonstrations and on-line galleries.
 - My work shall not use copyrighted materials without express written consent from the copyright owner.
 - I shall retain the copyright on my original work.
 - I require that my name be included with any public display of my work.
 - I shall retain profits resulting from any cash sales of my work.
 - Houston Community College may benefit non-monetarily from the public exposure of my work for promotion of its programs and accomplishments.
-

Student Signature: _____ .Date: _____