

Digital Media Programming Syllabus

Richland College



Disclaimer Reserving Right to Change Syllabus:

The instructor reserves the right to amend this syllabus as necessary.

Instructor Information

Name: Jim Link

DCCCD Email: jlink@dcccd.edu

Office Phone: 972-238-6140

Office Location: ACCESS Office

Office Hours: N/A

Division Office and Phone: School of Engineering and Technology, 972-238-6210

Course Information

Course Title: Digital Media Programming

Course Number: IMED-2351

Section Number: 83701

Semester/Year: Spring 2020

Credit Hours: 3

Class Meeting Time: Wednesdays, 5:40pm – 9:30pm

Class Location: Thunderduck Hall – T223

Certification Date: February 11 (T), 2020

Last Day to Withdraw: April 20 (M), 2020

Academic Calendar

2020 Spring Multimedia/Photography Wednesday Evening Courses Calendar

January 29, 2020 – May 13, 2020

Spring 2020 Wednesday Evening courses only.

MW, TR, MWF day classes, HS classes, regular online classes, Saturday only courses, Evening Flex Term courses and Online Flex Term courses have different calendars.

CALENDAR DATE	CALENDAR DATE DESCRIPTION
January 20 (M)	Dr. Martin Luther King, Jr. Day – Holiday
January 25 (Sa)	First Saturday the Multimedia Lab will be open.
January 29 (W)	Wednesday Evening Classes Begin
February 11 (T)	12th Class Day / Census Day for Wednesday evening classes, Last day to drop a course without receiving a "W" grade on transcript.
February 27 - 28 (R-F)	Professional Development Days - Thursday and Friday day classes will not meet. Friday evening, Saturday and Sunday classes will meet.
March 16-22 (M-Su)	Spring Break
April 10 (F)	Holiday
April 20 (M)	Final Withdraw Date: Last Day for Wednesday Evening classes to withdraw with a grade of "W".
May 13 (W)	Final Exam Day for Wednesday Evening courses
May 14 (R)	Semester Ends. Last day lab is open for the semester.

Course Prerequisites

IMED 1316 or 1416: Web Design 1, or extensive experience with making HTML pages.

Official WECM Course Description *(cannot be altered in any way)*

Advanced topics in digital media programming including custom scripts for data tracking. Emphasis on developing digital media programs customized to the client's needs.

Official WECM End-of-Course Outcomes *(cannot be altered in any way)*

Create and utilize custom functions and variables; develop error-checking objects; design intuitive navigation structures; and utilize advanced programming syntax.

Official SCANS Skills

The Secretary's Commission on Achieving Necessary Skills (SCANS) was appointed by the Secretary of Labor to determine the skills people need to succeed in the world of work. Richland College is determined to prepare you with the knowledge and skills you need to succeed in today's dynamic work environment. Towards this goal, these workplace competencies and foundation skills have been designed into the curriculum for this course:

- Improves or Designs Systems - *suggest modifications to existing systems and develops new or alternative systems to improve performance*
- Arithmetic/Mathematics - *performs basic computations and approaches practical problems by choosing appropriately from a variety of mathematical techniques*
- Knowing How to Learn - *uses efficient learning techniques to acquire and apply new knowledge and skills*
- Problem Solving - *recognizes problems and devises and implements plan of action*

Required Lab Hours:

This course contains lecture and lab components, both held during the posted class times. Students may need to put in additional time in the Multimedia Learning Center to complete assignments.

Students are required to spend extra hour(s) per week outside of class working on student projects.**

**Students may complete their work at home if they have their own computer and an Internet connection. Either a PC, Mac, or laptop will be a sufficient machine.

See Schedule of Classes for the exact number of hours per week.

Multimedia Learning Center Lab Information and Hours of Operation:

The Multimedia Learning Center (972-238-6001) is located in Thunderduck Hall, T246 and is for **all currently enrolled** Multimedia and Game students **to use for Multimedia and Game class work and projects**.

Lab assistants and faculty are usually in the lab to answer questions, however ***multimedia tutoring is not available in the lab.***

LAB HOURS

Mon-Thurs, 9 a.m.-9:45 p.m.; Fri, 9 a.m.-4:45 p.m.;
Sat (Spring & Fall), 12 p.m.-4:45 p.m.; Sat (Summer), closed;
Sun: closed

Lab is closed for the same Holidays as the College.

The Lab may close between semesters.

The Lab may be used as a Classroom at various times during the year and will not be available to drop-in students.

The other campus computer lab for credit student use is Del Rio, D229, which has longer lab hours.

All Multimedia (credit and continuing education) students must show a Student ID Card to use the lab and check out any equipment. IDs are available at the Office of Student Life in El Paso Hall, E040.

Required Course Materials

Textbooks:

The Instructor will provide materials for this course, located [online](http://www.mmlab2.rlc.dcccd.edu/faculty/link/IMED1316).
[<http://www.mmlab2.rlc.dcccd.edu/faculty/link/IMED1316>]

Supplies:

This class requires you to purchase a domain/URL. You can get inexpensive domains/URLs (usually about \$1 or \$2 for the first year) in many places, including Godaddy.com. The instructor will provide information and instructions during the first few weeks of the class.

This class also requires you to obtain a Website hosting service, sometimes called an Internet Service Provider (ISP). The instructor's recommended ISP, in order to include a PHP email (SMTP) service, costs \$2.95/mo (usually billed at \$35.40/yr), which is very reasonable. The instructor will provide information and instructions during the first few weeks of the class.

Required Supplies for all Courses: headphones and some kind of external storage: jump drives, external hard drives, blank CD-Rs/DVDs or cloud storage like Dropbox.

You will need some means of storing and backing up the digital files for your assignments. Multiple locations for storage and backup are always preferable to only one storage location. You should consider using **several** of these types of storage:

- A local directory on your home or laptop computer, if you have a computer.
- A portable electronic storage device such as a USB jump drive or a portable hard drive.
- An online storage service such as [Dropbox](#).
- An online backup service such as [iDrive.com](#).

Note: A student of this institution is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Graded Work

Summary of Graded Work

Weekly Assignments	Points	Totals
Steps to Making a Web Site (13 assignments)	13 @ 100 points	1300 points

TOTAL: 1,300 points

Final Grade

Points	Percentages	Letter Grade
1,164-1,300	90-100%	A
1,034-1,163	80-89%	B
904-1,033	70-79%	C

Points	Percentages	Letter Grade
774-903	60-69%	D
0-773	0-59%	F

Description of Graded Work

Weekly assignments: Each assignment will contribute to your making a small Web site during the semester. You can [see a sample](#) (made by the instructor) of what your site could look like at the end of the semester. [http://spacestuff.xyz/]

Attendance and Your Final Grade

Attendance at each class meeting is highly recommended, but absence will not directly affect your grade. Absence may, of course, indirectly affect your grade by making it more difficult for you to understand the material in the assignment for that week.

Late Work Policy

The instructor will accept late work, without the lateness directly affecting your grade. However, if you allow too many late assignments to pile up toward the end of the semester, you may have difficulty getting all of the assignments done correctly. So obviously, it is to your advantage to work the assignments on time each week.

Grade Reports

Final grade reports are not mailed to students. You may view your final grades via [eConnect](#). From the Current Credit Student menu, select "My Grades" under "My Personal Information." If you are not already logged in, you will be prompted to do so. Select the grade type you wish to review. Press the submit button, and all grades for the selected grade type will be shown.

Other Course Policies

Assignments awarded less than 100 points: If you are awarded less than 100 points for any assignment, you will have the opportunity to correct the errors and get the full 100 points. You should plan on sending an email to the instructor if you decide to take advantage of this opportunity.

Institutional Policies

Institutional Policies relating to this course can be accessed using the link below. These policies include information about tutoring, Disabilities Services, class drop and repeat options, Title IX, and more.

[Richland Institutional Policies](http://www.richlandcollege.edu/syllabipolicies) [http://www.richlandcollege.edu/syllabipolicies]

Classroom Policies

Attendance Policy:

In order to be successful, students must attend and participate in enrolled courses.

While Richland College does not have a formal attendance policy, students are expected to attend class regularly. If you know you will be missing classes this semester, please speak to your instructor about days you will be missing so you can receive information on the missed lessons and assignments.

If you are unable to attend class, please email the instructor or leave a message for the instructor at the ACCESS Office at (972) 238-6140 BEFORE THE CLASS BEGINS.

It is imperative students arrive to class on time and remain in class the entire session each week.

Food and Drink Policy:

Except where otherwise determined by a faculty member, no eating or drinking is allowed in the classroom.

Web Server Posting Policy:

The Richland Student Web Server is open to all users of the World Wide Web. Any information students or instructors place in their files is readable by any user of the World Wide Web.

Computer/Internet Use Policy:

Currently enrolled Richland College Multimedia, Game, and Photography students have access to the Multimedia Lab and classroom computers **for Multimedia/Game/Photography educational and instructional purposes only.**

Please use the Del Rio Computer Lab (D229) for other school-related assignments and non-Multimedia/Game/Photography activities.

Students using their own laptops must use the wireless connection in the Thunderduck Hall building and **cannot** use the Multimedia lab and classroom computer data lines to access the Internet.

You are required to show your Richland Student ID when requested by lab personnel. You are expected to follow lab policies as well as the [Student Code of Conduct](http://www.richlandcollege.edu/conduct/) specified in the catalog. If the link does not work for you (ie: you have a hard copy of the syllabus), copy/type this url into your browser window: [http://www.richlandcollege.edu/conduct/]

Safety Policy:

Students should participate in this class in a safe, appropriate manner. We occasionally have to step over cords for the multimedia cart and/or computer equipment. We also need to watch out for boxes and paper, students' backpacks, etc. Students should begin to build good computing habits, designed to prevent eyestrain, carpal tunnel syndrome, etc.

Handheld Devices Policy:

Please **turn OFF** all electronic devices during class.

Participation Policy:

Course participation is required. Ask questions and be involved with the lesson.

Students should not surf the Net, play games, send emails or work on unrelated homework/projects during class. Students should not disturb your neighbors during lectures and demos.

End of Each Class Policy (for face-to-face classes):

When you leave class for the day, please...

1. Delete all your files from your workstation and empty the trash.
2. Shut down your computer using Windows Shut Down.
3. Turn off your monitor after computer has COMPLETELY shut down.
4. Pick up and throw away any trash around your seat.

Attention Continuing Education Students:

To receive a certificate for this course, you must make a grade of "C" or higher as a final grade. A grade average of 69% or lower is failing.

Continuing Education will not mail your certificate to you. If you do not receive your certificate the last day of class you will have to pick up your certificate at the Continuing Education Front Desk, T160.

Course Schedule

Class Date	e-Handout	Assignments	Due Dates
Jan 29	Class Intro and PHP Intro	A: Syllabus Acknowledgement	Feb 8
Feb 5	PHP Syntax and Variables	1: PHP Syntax and Variables	Feb 15
Feb 12	Conditions and Input	2: Conditions and Input	Feb 22
Feb 19	Functions and Variable Scope	3: Functions and Variable Scope	Feb 29
Feb 26	Debugging	4: Debugging	Mar 7
Mar 4	Loops and Arrays and More Arrays, Strings, and Session Variables	5: Loops, Arrays, Strings, and Sessions	Mar 14
Mar 11	Working with Files and Cookies	6: Working with Files	Mar 28
Mar 18	NO CLASS -- Spring Break (Mar. 16-20)		
Mar 25	Objects	7: Objects	Apr 4
Apr 1	Building a Database	8: Building a Database	Apr 11
Apr 8	SQL Queries	9: SQL Queries	Apr 18
Apr 15	Changing a Database's Contents with PHP	10: Changing a Database's Contents with PHP	Apr 25
Apr 22	Database Security	11: Database Security	May 2
Apr 29	E-mail	12: E-mail	May 9
May 6	Form Validation	13: Form Validation	May 16
May 13	Introduction to AJAX and Introduction to CodeIgniter		
Additional Reading	Advanced SQL		
Additional Reading	XML and CMS		
Additional Reading	Regular Expressions		

This information is also available [online](#).

[<http://www.mmlab2.rlc.dcccd.edu/faculty/link/IMED2351/handouts2.html>]

The Multimedia Learning Center Department's Web Sites:

[Multimedia](#)

[Photography](#)

[Game](#)

The Multimedia Learning Center is part of the Richland College School of Engineering and Technology.

Office: Wichita Hall, WH-101 • Phone: 972-238-6210.

Student Acknowledgement:

Please open the [course schedule](#) in your browser.

[<http://www.mmlab2.rlc.dcccd.edu/faculty/link/IMED1316/handouts2.html>]

- Click on Assignment A, "Syllabus Acknowledgment", in the "Assignment" column.
- Follow the instructions there to send an acknowledgment e-mail to the instructor.
- Please make sure you put **your name** into the email at the indicated place.

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