Course:
IMED 2351: Digital Media Programming
IMED 2051: Digital Media Programming

Section:
3 credit hours; Spring 2011;
Section 8501
Mondays, 5:40p.m to 9:30p.m., Room T248 January 24 through May 9, 2011

Instructor:
Instructor's name: Jim Link
E-mail address: jlink@dcccd.edu
Richland phone: 972-238-6140 (ACCESS Office) - leave message
Office Number: A110 - ACCESS Office
Office Hours: (if any)
Mail Box Location: A110 - ACCESS Office
Faculty Page Link: http://www.mmlab2.rlc.dcccd.edu/faculty/link

Prerequisite:
IMED 2345: Interactive Digital Media II
IMED 1316/1416 or IMED 2315 – Web Design I or II

Course 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.

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

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:**

Please note: This class includes a weekly assignment which will fulfill the following lab requirement. You may work the assignments at the Richland Lab or at home, depending on your preference. But note carefully that you will need to transfer your lab work to the school server each week (more on that later), so if you are going to work from home on your assignments, you will need an Internet connection and an FTP program/application on your home computer. I will recommend some FTP programs/applications (including a free one) during the first several classes.

Students are required to spend 2 extra hours per week outside of class working on student projects. Lab assistants and faculty are usually in the lab to answer questions, however multimedia tutoring is not available in the lab.

Also please note that I am one of the instructors on duty in the Multimedia Learning Center's Lab on **Wednesday** evenings from 5:00 p.m. to 9:45 p.m. If you need help on an assignment or you just want to ask some Web-related questions, come on up to the Lab!

The Multimedia Learning Center (972-238-6001) is located in Thunderduck Hall, T246.

**Lab Hours for Fall and Spring** semesters are:

- Monday - Thursday: 9:00 am to 9:45 pm
- Friday: 9:00 am to 4:45 pm
- Saturday: 12:00 pm to 4:45 pm

**Lab Hours for Summer** semester are:

- Monday - Thursday: 9:00 am to 8:45 pm
- Friday: 9:00 am to 4:45 pm
- Saturday/Sunday: closed

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, E036.

**Textbooks and Supplies:**

Optional **Textbook** (not required): *PHP 6/MySQL Programming for the Absolute Beginner, Andrew B. Harris*

Course Technology PTR; 1 edition (September 9, 2008)

ISBN-10: 1598637983
Supplies: Jump drive, external hard drive or blank CD-Rs/DVDs; or an account at or http://www.dropbox.com or some other similar online file storage site. (There are some others sites listed on the “Resources” page of the class site.) This is a great way to backup and/or transfer files.

Course Outline:

- Introducing PHP
- Debugging and DreamWeaver
- Variables and Input
- Conditions and Functions
- Loops and Arrays
- Working with Files and Cookies
- Building a Database, and SQL Queries
- More About SQL Queries
- Changing a Database’s Contents with PHP
- Database Security
- Form Validation
- E-mail Using PHP
- XML and CMS
- PHP and AJAX

Grading Procedure:

Grading Legend

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90 - 100</td>
</tr>
<tr>
<td>B</td>
<td>80 - 89</td>
</tr>
<tr>
<td>C</td>
<td>70 - 79</td>
</tr>
<tr>
<td>D</td>
<td>60 - 69</td>
</tr>
<tr>
<td>F</td>
<td>0 – 59</td>
</tr>
</tbody>
</table>

Points Breakdown:

Assignments = 100%

PLEASE NOTE! Grade reports are no longer mailed. Convenient access is available online or by telephone. Use your student identification number when you log in to eConnect or call Touch Tone Services.

Web Site address: http://econnect.dcccd.edu Telephone number: 972-613-1818.

Academic Calendar:

Calendar for Monday – Friday Spring 2011 classes.

Drop Date:

January 31 (M) is the last day to drop from this course without receiving an automatic "W" and without the course reflecting on your transcript.
Withdrawal Date:
April 14 (R) is the last day to withdraw from this course with an automatic "W".

Institutional Policies:
Institutional Policies including Stop Before You Drop/6Drop, Withdrawals, Repeating a Course, Financial Aid, Academic Honesty, ADA, Religious Holidays and the Campus Emergency Operation Plan & Contingency Plan are available at:
http://www.richlandcollege.edu/syllabusinfo/syllabiInformation.pdf

Classroom Policies:
Please read the following classroom policies listed below.

Attendance Policy:
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 students have access to the Multimedia Lab and classroom computers for Multimedia educational and instructional purposes only. Please use the Del Rio Computer Lab (D229) for other school-related assignments and non-Multimedia 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 specified in the catalog.

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 (or at least put into vibrate/silent mode) all electronic devices during class.

**Participation Policy:**
Course participation is highly encouraged. 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.

**Multimedia Web Site:**
http://www.richlandcollege.edu/multimedia
The Multimedia Learning Center is part of the Richland College School of Engineering, Business and Technology. Office: Bonham 101 • Phone: 972.238.6210.

**Disclaimer reserving right to change syllabus:**
The instructor reserves the right to amend this syllabus as necessary.

**Student Acknowledgement:**
Please log in to your student account at http://ecampus.dcccd.edu and acknowledge that you have read this syllabus. Click on “Course Documents”, click on the survey “Student Acknowledgment of Syllabus”, Begin, click on “Yes”, and Save and Submit.