

GEORGIA COLLEGE & STATE UNIVERSITY COURSE SYLLABUS

Web Application Integration

Semester:	Spring	Year:	2018
Course Title:	Web Application Integration	Course #:	CBIS 4214
Instructor:	Dr. Bryan Marshall	Office:	ATK 306
E-Mail:	bryan.marshall@gcsu.edu	Office Hours:	
Phone:	478-445-2137		
Class Time:	TR 12:30 – 1:45 pm TR 2:00 – 3:15 pm		
Classroom:	ATK 309		

Catalog Description

Prerequisite: CBIS 3210, CBIS 3214 and CBIS 4210. This course is a capstone course which helps the student integrate all concepts taught in the CBIS curriculum. The students will learn about, and employ, web based scripting languages to manage the creation and deployment of a web-based application. Content of the course is project based and stresses knowledge gained in the prerequisite classes.

Course Outcomes

Each student will:

1. Demonstrate a working knowledge of HTML and CSS
2. Plan and design a business web application
3. Use PHP, MySQL, and object-oriented programming to build a web application that can create, read, update and delete from a database.

Grading (550 pts)

A	495 – 550 pts
B	440 – 494 pts
C	385 – 439 pts
D	330 – 384 pts
F	Less than 329

Desire2Learn

The class assignments/grades are managed through D2L.

ALL OF YOUR ASSIGNMENTS WILL BE UPLOADED AND GRADED ON D2L!!!

Common Syllabus Requirements

All common statements for this syllabus are found at

<http://www.gcsu.edu/business/docs/GCRequiredSyllabusStatements.docx>

Required Textbooks

Learning PHP: A Gentle Introduction by David Sklar - 978-1491933572 (\$23.59 on Amazon)
 Siteground Student Account (\$1.99/MO)

Optional Textbooks

Learning PHP, MySQL & JavaScript with JQUERY, CSS & HTML5 – by Robin Nixon (4th Edition)
 PHP and MySQL for Dynamic Web Sites by Larry Ullman (4th Edition)
 The Joy of PHP: A Beginners Guide to Programming Interactive Web Applications with PHP and MySQL – by Alan Forbes

This is just a tentative course schedule – deviations may be necessary.

Date	Topic Covered	
1/16	Text Editors, HTML, and Siteground	
1/18	Chapter 1 – Orientation and First Steps	
1/23	Chapter 2 – Data: Working with Text and Numbers	
1/25	Chapter 3 – Logic: Making Decisions and Repeating Yourself	
1/30	Chapter 4 – Groups of Data: Working with Arrays	
2/1	Chapter 5 – Groups of Logic: Functions and Files	
2/6	Chapter 6 – Data and Logic Together: Working with Objects	
2/8	Chapter 7 – Exchanging Information with Users: Making Web Forms	
2/13	Chapter 8 – Remembering Information: Databases	
2/15	Chapter 12 – Debugging	
2/20	Start Project 1 – Blogging	
2/22		
2/27		
3/1		
3/6	Finish Project 1 (Presentations)	Project 1 – 100 points
3/8	Midterm Exam	
3/13	Start Project 2 – Invoices	
3/15		
3/20	Spring Break	
3/22		
3/27		
3/29		
4/3		
4/5		
4/10	Finish Project 2 (Presentations)	Project 2 – 150 points
4/12	Start Project 3	
4/17		
4/19		
4/24		
4/26		
5/1		
5/3		
5/8	(12:30 Class) Final is at 10:30 am on (5/8)	Project 3 – 200 points
5/9	(2:00 Class) Final is at 1:00 pm on (5/9)	

Blog Monitor (100 points)

A local company wants to start advertising on blogs. They need a way to track who they currently advertise with, who they can potentially advertise with, and how many views / hits they get based off the advertising. They should be able to record the contact person, email / phone, company URL, monthly price, payment, location.

Cost of Goods Sold System (100 points)

A local company wants to track their spending on COGS. They want their COGS to equal their monthly sales COGS. There needs to be a way to add invoices of COGS as they come in. At the end of each month there needs to be a way to input the monthly COGS based on sales. There should be a running total on a dashboard. The dashboard should show the current months total COGS so far.

Retirement Calculator (150 points)

Putting money away early in your career can really pay off in the future. This retirement calculator allows a user to enter and adjust their current monthly expenses. Then they put in their current retirement savings and monthly contributions. There is a calculation that compares the two and estimates when the person can retire based on the 25x rule.