

# GEORGIA COLLEGE & STATE UNIVERSITY COURSE SYLLABUS

## Business Application Development

<b>Semester:</b>	Fall	<b>Year:</b>	2018
<b>Course Title:</b>	Business Application Development	<b>Course #:</b>	CBIS 4210
<b>Instructor:</b>	Dr. Bryan Marshall	<b>Office:</b>	ATK 306
<b>E-Mail:</b>	bryan.marshall@gcsu.edu	<b>Office Hours:</b>	
<b>Phone:</b>	478-445-2137		
<b>Class Time:</b>	MW 2:00 – 3:15 pm MW 3:30 – 4:45 pm		
<b>Classroom:</b>	ATK 309		

### Catalog Description

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Prerequisite: CBIS 3210. This course presents object-oriented and procedural software engineering methodologies. Students gain knowledge and experience in building business applications and system analysis design.

### Course Outcomes

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Each student will:

1. Demonstrate a working knowledge of HTML and CSS
2. Understand the role of good design in the development of business applications.
3. Understand the Program Development Life Cycle (PDLC).
4. Demonstrate the use of constants, literals, and variables in programming.
5. Understand the importance of good practices in code development.
6. Understand and demonstrate the fundamentals of control structures.
7. Understand and demonstrate the fundamentals of arithmetic operators and input/output.

### Grading (1000 pts)

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A	900 – 1000 pts
B	800 – 899 pts
C	700 – 799 pts
D	600 – 699 pts
F	Less than 599

Assignments (6 x 60)	360 points
Quizzes (7 x 30)	210 points
Midterm Exam	130 points
Final Exam (comprehensive)	150 points
Assignment 7 / Final Project	150 points

### Desire2Learn

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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)

GC Codec – (\$9.99)

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

Date	Lecture Topic Covered	Assignment Due Date	Quizzes / Exams
8/20 8/22	Scrum Project Management		
8/27 8/29	Web Hosting / Text Editors		Quiz 1 – Scrum
9/3 9/5	No Class – Labor Day HTML / CSS		
9/10 9/12	Web Forms		
9/17 9/19	PHP Basics	Assign 1: Web Forms and Scrum	
9/24 9/26	PHP Arrays		Quiz 2 – PHP Basics
10/1 10/3	No Class – IACIS Conference	Assign 2: PHP Page	Quiz 3 – PHP Arrays
10/8 10/10	No Class – Fall Break		
10/15 10/17	PHP If Statements	Assign 3: Arrays	Quiz 4 – PHP Decisions
10/22 10/24	PHP Loops	Assign 4: Decision Structures	<b>Midterm Exam (130 points)</b>
10/29 10/31	PHP Functions	Assign 5: Repetition Structures	Quiz 5 – Loops
11/5 11/7	Databases / Create DB / Build Tables	Assign 6: Functions	Quiz 6 – Functions
11/12 11/14	Overview of Final Project / MySQLi API / Overview of CRUD Integrating Code for CRUD		
11/19 11/21	No Class – Thanksgiving		
11/26 11/28	(online) Lab Time – Final Project (online) Lab Time – Final Project		
12/3 12/5	In Class Lab Time – Final Project In Class Lab Time – Final Project		
12/10	In Class Lab Time – Final Project	<b>Assign 7 / Final Project Due (150 points)</b>	<b>Quiz 7 – Databases</b>
12/12 12/13	(3:30 Class) Final is at 3:30 pm (2:00 Class) Final is at 3:30 pm		<b>Final Exam (150 points)</b>