COURSE SYLLABUS
CS 5201: Computer Science Fundamentals I
(5 credit hours)

Instructor	Duane Yoder
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Office	TLC 2-215
Office hours	M 1p-3p, TR 9a-11a, 1p-3p (May change with notice)
Course Web	http://courses.cs.westga.edu (Moodle)
Class	M 5:30p – 8:00p, TLC 1211.
meeting	This class will be offered in a blended format, with approximately 60% of the work online.
TA	Christine Rolka (crolka1@my.westga.edu)

Course Description

Introduction to basic computing fundamentals and software development. Students will study various hardware and software aspects of computer science. Topics will include: computer and network basics, creating and publishing web pages, creating and using simple databases, and the basics of developing programs using objects in a high-level programming language. This course assumes no prior background in software development or computer science.

Prerequisites

Graduate standing.

Textbook

J Lewis. *C# Software Solutions: Foundations of Program Design*, Addison Wesley.
Various web resources.

References

Ingram Library has a subscription to the Safari Books Online database. This website provides full-text online versions of various technical books, including books on C# and .NET. You are encouraged to take advantage of this resource.

ACM Student Membership – Student Digital Library Package

Required software (See course web for information on obtaining software.)

Microsoft Visual Studio .NET 2005
Microsoft Word 2003
Microsoft Access 2003

Major Topics Covered

Topic	Description
1	Computer and network basics
2	Web pages and HTML
3	Databases & Access
4	Basic program development
5	Classes and objects

Learning Objectives

1 Be able to identify and describe the function of the major hardware components of a computer.
Bloom: 2

2 Explain the basic components of network systems and distinguish between LANs and WANs.
Bloom: 2

3 Be able to create and publish web pages using basic HTML and that leverage CSS.
Bloom: 3

4 Be able to create simple database with multiple tables and write simple SQL queries to access the data within a database.
Bloom: 3

5 Be able to use basic program development tools to create, modify, and debug simple programs.
Bloom: 3

6 Be able to modify and write basic programs that use existing classes and their methods.
Bloom: 3

Assignments

There will be both written and development-based (e.g., creation of web pages, developing programs) assignments.

All written assignments must be typed and submitted as a Microsoft Word document via Moodle unless otherwise specified.

You may discuss the assignments with the instructor, TA, and others in the class. However, do not look at or copy another student's solutions when writing your solutions or code. All work must be your own, unless otherwise stated. I am not concerned with how you come to understand the material, but once you obtain the understanding, you must provide your own solutions. Assignments where cheating has been determined will receive a zero and possible dismissal from the course – see Academic Honesty below.

Quizzes

Most units will have a quiz. Each quiz will be worth 20 points and can be taken online. You are allowed to consult textbooks and other online resources for a quiz. However, you may not consult with anyone while taking the quiz.

There is no time limit for a quiz, but once a quiz is started it must be completed.

Grading

There will be 10 assignments worth 20 points each, five quizzes worth 20 points each, and one project worth 50 points for a total of 350 points. There will be no extra credit in this course.
Grades will be awarded on the following scale:
A: 350 – 315
B: 314 – 280
C: 279 – 245
F: 244 or less

Late work

All assignments and projects are due at the scheduled time. Late work is NOT accepted.

Academic honesty

Homework assignments (unless otherwise noted), tests, and projects must be done individually.

Don't use the work of others or let someone else use your work. You will receive an F for the course if you cheat, whether you are the source or the user of the shared work.

The incident will also be reported to the Office of Student Affairs so that they can determine if further disciplinary action is warranted.

Class management

Please turn off your cell phones and pagers during class.

Special Needs

Any student sanctioned by the office of Disability Services must have a Student Disability Report and a Disabled Student Handbook available to share with the Faculty before any graded work is determined as to have made as appropriate arrangements as needed. For more information, please visit http://www.westga.edu/~dserve/menu.html.