



CS 10051

Introduction to Computer Science

Spring 2011

Dr. Angela Guercio

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Prof. Kathleen Stirbens

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Course Administration

- ❑ Instructor: Dr. Angela Guercio aguercio@kent.edu
 - 424 Main Hall
 - ❑ Office Hrs:
 - **TR** 10:00am - 10:55am 1:55pm - 3:25pm
 - other times are available by appointment
 - ❑ Lab Instructor: Prof. Kathleen Stirbens
kstirben@kent.edu
 - 426 Main Hall
 - ❑ Office Hrs:
 - **MW** 3:15 – 4:30pm **TR** 9:00-9:25am
TR 12:15-12:45pm
 - other times are available by appointment
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Course Textbooks

- ❑ G. M. Schneider, J. Gersting – *An Invitation to Computer Science* – Thomson/Course Technology, 5th Ed., 2009 ISBN-10: 1439041997 - ISBN-13: 978-1439041994.

 - ❑ K. Lambert, T. Whaley - *Invitation to Computer Science Laboratory Manual* -Thomson/Course Technology, 5th Ed., 2009, ISBN-10: 0324788630 - ISBN-13: 978-0324788631.
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URLs et al.

- ❑ Software for the laboratory to download:

 - Instructions in the book

- ❑ Class URL:

http://www.personal.kent.edu/~aguercio/Spring11/CS10051_600Sp11.html

The Syllabus: Requirements

- ❑ Class attendance is required.
 - If you miss a class, let me know ahead of time
 - ❑ **you must provide the documented reason.**
 - You are responsible for bringing yourself up-to-date on class material and assignments
 - You cannot miss more than 4 classes without documentation
 - ❑ **Penalty:** drop of the grade (ex from A to B, from B to C, ect.)
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The Syllabus: Requirements (cont.)

☐ Weekly Laboratory

- ☐ Attendance is MANDATORY
- ☐ If you cannot attend your laboratory, you must attend any other available at this campus or at the Kent campus.
- ☐ Attending another lab may only to be done due to illness or similar unusual circumstance.
- ☐ The signature of the lab instructor on the Lab manual is required.

The Syllabus: Requirements (cont.)

- ❑ Reading material before class is required
 - Read material once before class and again after class
- ❑ Homework and Labs must be returned by the deadline
 - Late penalty: 3 points per day

Course Content

The course covers

- ❑ the algorithmic foundations of computer science by introducing the concept of algorithm, algorithm design, the efficiency of algorithms;
 - ❑ the hardware world by introducing binary numbers, Boolean logic, gates and circuits, and computer organization;
 - ❑ virtual machines and computer networks;
 - ❑ the software world by introducing high level language programming and the use of compilers.
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Course Objectives

- ❑ to introduce you to the basic terminology of the Computer Science discipline;
 - ❑ to expose you to the foundation of this discipline and to show you the ideas and principles that helped its formation;
 - ❑ to show what can be done and what cannot be done in computing;
 - ❑ to introduce the most important elements of computing;
 - ❑ to expose you to the basic elements of programming and to provide an experimental approach to the computer science discipline;
 - ❑ to improve your ability to read and understand computing material;
 - ❑ to develop in you a familiarity with computing elements and to enable to use them for future courses;
 - ❑ to provide you with hands-on experience in computing;
 - ❑ to develop in you an appreciation for the interesting features of this discipline.
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The Exams

- 3 Exams
 - 100 points each

- 1 Final Exam
 - Comprehensive
 - 100 points

- No Make-up exams
 - Except in extreme cases and only if I have been notified prior the exam has been issued

The Grade

☐ **Part I**

■ Labs Attendance and Worksheets **25 %**

☐ **Part II**

■ Homework and Class Participation **10 %**

■ Exam 1 **15 %**

■ Exam 2 **15 %**

■ Exam 3 **15 %**

■ Final Exam **20 %**

☐ Check the syllabus for the grading scale

ATTENTION

TO PASS THE COURSE, YOU MUST PASS
EACH PART INDEPENDENTLY!

---- i.e. an A in PART II and an F in PART I

or vice versa,

is NOT a passing grade.

Dates to Remember

- ❑ **Last day to drop the class is**
 - Jan 23 (without W grade)
 - Mar 20 (with W grade)
 - ❑ **Exam 1:** Thursday, Feb. 10
 - ❑ **Exam 2:** Tuesday, March 8
 - ❑ **Exam 3:** Tuesday, April 12
 - ❑ **Final Exam:** Tuesday, May 3 (10:30pm - 12:30pm)

 - ❑ **Spring Recess:** March 21 – March 27, 2011
 - ❑ **Classes End:** April 30, 2011
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Others: more on the syllabus

- Read the syllabus for:
 - Course Withdrawal
 - Academic Honesty Policy
 - Students with Disabilities
 - Classes Canceled – Campus Closings
 - Conduct
 - And other important issues
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Others: Security

- ❑ **Emergency:** In case of an emergency please contact the security on campus.
 - ❑ **Security phone on campus:** #53123
 - ❑ **Security cell phone** (330) 705-0430 or, of course, 911.
 - I recommend that you program into your cell phone the previous numbers.
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