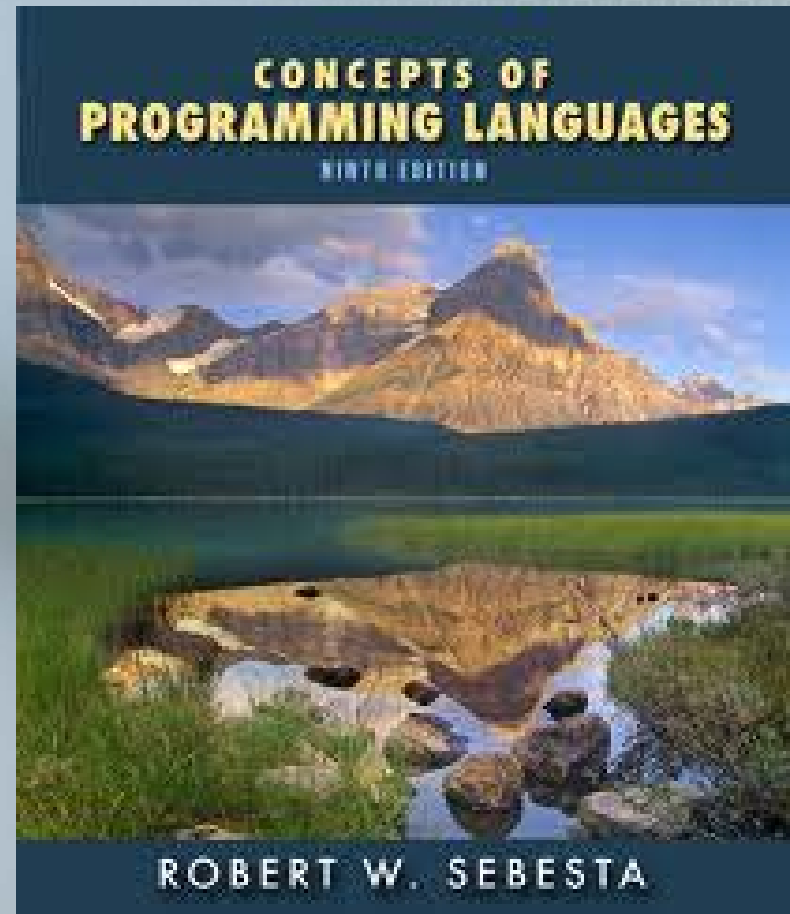


CS 33101 – Structure of Programming Languages

Dr. Angela Guercio

Spring 2011



Instructor

- Angela Guercio
 - **Office:** 424, Main Hall
 - **Phone:** 330 244 3424 (KSU ext 53424)
 - **Best way to contact me:**
aguercio@kent.edu
- **Office Hours:**
 - **TR** - 10:00am – 10:55am
 - **TR** - 1:55-3:25pm
 - other times are available by appointment

The Syllabus: the Webpage

- Class web page
 - http://www.personal.kent.edu/~aguercio/Spring11/CS33101_Sp11.html
 - or simply reach <http://www.personal.kent.edu/~aguercio>
 - and select your course
- All the notes and assignments will be available under VISTA.
- To access Vista:
 - Login to Flashline
 - Go to MyCourses and select Structure of Programming Languages
 - In Course content select the appropriate folder Laboratory.

The Syllabus: Class Info

Check the Class Webpage and Vista regularly!

**Assignments, Deadlines,
Communications
about the class
are there!**

Course Content

■ **Content**

- Introduction to syntax, semantics, behavior and implementation issues in imperative, functional, logic and object-oriented languages; type theory, concurrency, data dependency.

■ **Course Objectives**

- To increase your programming design abilities.
- To prepare you to better write compilers
- To improve the ability of learning a new programming language in an effective manner;
- To sharpen your ability to specify and identify desirable characteristics in a language.

■ **Course prerequisites**

- CS 33001 CS II

The Syllabus: The Textbook

- R.W. Sebesta, Concepts of Programming Languages, 9/E, Addison-Wesley, 2010, ISBN13: 978-0-13-607347-5.
- Other reading material will be given or suggested in class

The Syllabus: Grading

- Attendance and Participation 5%
- Assignments/Projects 35%
- Exam 1 20%
- Exam 2 20%
- Final Exam (comprehensive) 20%

Assignment and Project Late Penalty:

*day*5%*

*Where day is the number of days occurred
since the deadline*

The Syllabus: Grading Scale

Total percentage earned	Grade	Total percentage earned	Grade
89 - 100%	A	70 - 74.9%	B-
85 - 88.9%	A-	60 - 70%	C
80 - 84.9%	B+	50.1 - 59.9%	D
75 - 79.9%	B	50% and below	F

Exams

- Pop Quizzes might be given.
 - They will count for an additional 10% of the grade
- 2 Exams (100 points each)
- Final Exam (100 points) - comprehensive
- No Make-up exams
 - Except in extreme case and only if I have been notified prior the exam has been issued

Homework

- No late assignment accepted after the assignment has been graded and returned.
- You may discuss the interpretation of the assignment/project with your classmates, however you may not discuss possible solutions.
 - Copied solution of an individual assignment/project will receive a zero grade
- NO HAND WRITTEN HW ACCEPTED.

The Syllabus: Requirements

- Class attendance.
 - If you miss a class let me know ahead of time
 - if you miss more than **4 classes without a documented reason** or without making prior arrangements with me, **your final grade will be dropped** one grade (A to B, B+ to C+ and so on).
 - You are responsible for bringing yourself up-to-date on class material and assignments
- Reading material **before** class is required

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:** Thursday, March 17
- **Final Exam:** Thursday, May 5 (3:30 pm – 5:30pm)
- **Spring Recess:** March 21 – March 27, 2011
- **Classes End:** April 30, 2011

The Syllabus: Other Information

■ Academic Honesty Policy

- Cheating or plagiarism is considered a serious academic offense and will result in receiving a failing grade for the work of the course. Repeated offenses result in dismissal from the University. See <http://www.personal.kent.edu/~aguercio/AcademicDishonestyPolicy.pdf>

■ Code of Conduct

- As indicated in *The Digest of Rules and Regulations* that you can find in the University Telephone directory and can be downloaded at <http://www.kent.edu/studentlife/resources/upload/Digest-of-Rules-and-Regulations.doc>.

The Syllabus: Other Information

■ Students with Disabilities

- for accommodations contact the disability coordinator on campus, Sue Savickas in Student Accessibility Services, located in the Student Success Center, lower level of the Campus Center, phone (330) 244-5047, or ssavicka@kent.edu.

■ 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.

Overview of the course

- Introduction to Languages
- Language Evaluation and Paradigms
- Syntax and Semantics
- Lexical and Syntax Analysis
- Interpreters vs. Compilers
- Names, Bindings, Type Checking and Scopes, Data types
- Expressions, Assignment Statements and Level Control Structures
- Subprograms and their Implementation
- ADT and Object-oriented Programming
- Functional Programming Languages
- Logic Programming Languages
- Concurrency