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
  - 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.
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


- 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:
\[ \text{day} \times 5\% \]

Where day is the number of days occurred since the deadline
## The Syllabus: Grading Scale

<table>
<thead>
<tr>
<th>Total percentage earned</th>
<th>Grade</th>
<th>Total percentage earned</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>89 - 100%</td>
<td>A</td>
<td>70 - 74.9%</td>
<td>B-</td>
</tr>
<tr>
<td>85 - 88.9%</td>
<td>A-</td>
<td>60 - 70%</td>
<td>C</td>
</tr>
<tr>
<td>80 - 84.9%</td>
<td>B+</td>
<td>50.1 - 59.9%</td>
<td>D</td>
</tr>
<tr>
<td>75 - 79.9%</td>
<td>B</td>
<td>50% and below</td>
<td>F</td>
</tr>
</tbody>
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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](http://www.personal.kent.edu/~aguercio/AcademicDishonestyPolicy.pdf)

- **Code of Conduct**
**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