

**CSCI 333 / CIS 533 : Programming Languages**  
**COURSE SYLLABUS, Spring 2012**  
**Department of Computer Science**  
**University of Wisconsin-Parkside**

**Instructor**

J. U. QUEVEDO-Torrero

quevedo@uwp.edu

249 Molinaro

<http://homepages.uwp.edu/quevedo/>

**Office Hours:**

Mondays and Wednesdays 1:00 PM-2:30 PM

**Course Description:**

This course presents general design and implementation concepts of programming languages. It includes an overview of language paradigms and concepts that are common to all languages. The course will introduce programming languages such as Lisp, Python, Prolog, C, C++, Objective-C, etc.

**General Course Guidelines**

1. Some Topics

- Introduction to Programming Languages
- Language Design Criteria
- Functional Programming
- Logic Programming
- Data types, data abstraction, parameter passing, syntax specifications
- Imperative Programming
- Object Oriented Programming

2. Textbook: Kenneth C. Louden and Kenneth A. Lambert, Programming Languages: Principles and Practices, 3rd Edition. Course Technology, Cengage Learning, 2012, ISBN-13 978-1-111-52941-3.

Grading	Undergraduate	Graduate
Assignments (written, presentations, online, programming)	25%*	20%
Quizzes on Readings and/or class work	10%	10%
In Class Assignments	5%	5%
Graduate Assignments	N/A	10%
Exam 1	17%	15%
Exam 2	18%	15%
Final Exam	25%	25%

\* At least 70% of all programming assignments are required for a passing grade

3. **Graduate Assignments:** Graduate students will perform extra assignments to strengthen their knowledge of computer programming skills.
4. Each student will be responsible for completing the assigned reading, exercises and attending classes.

5. **Attendance:** Excellent attendance is necessary for this class, in order to participate with your group, learn the material, and achieve passing grades. If you cannot attend class, please speak with the instructor in order to determine how best to catch up on missed lectures and exercises. **There will be a sign-in sheet to record attendance.**
6. Typical Grade Allocation, but not the final grade allocation.

Alpha	Lowest	Highest
A	93	100
A-	88	92
B+	84	87
B	80	83
B-	75	79
C+	72	74
C	67	71
C-	63	66
D+	61	62
D	58	60
D-	55	57
F	0	54

Final grade allocation will be determined by the instructor depending on the overall class performance. Grades are not curved, but the grade allocation is adjusted to benefit most students.

7. If you miss a class, you are still responsible for knowing everything that took place. Your absence does not change the due date of an assignment.
8. There will be some programming assignments, and they must be turned in on the due date to receive full credit. Late assignments are penalized at 20% per day (not including weekends). Assignments due one class before an exam are not accepted late.
9. Computer programming assignments, reading and other written assignments will be announced in class as needed.
10. Quizzes covering the previous two-week's material or reading assignments will take place at the end of class (about 6 to 11 quizzes). If you must miss a quiz, please arrange to take a make-up quiz before the next quiz. If you do not take a quiz or a make-up quiz, you will receive a grade of zero for the quiz in question.
11. Exam dates are tentatively scheduled in the syllabus but will be confirmed one week before the exam date. Make-up exams: If possible, prior notice should be given to me. No make-ups will be granted unless satisfactory documentation is produced to show an extenuating circumstance.
12. All exams and quizzes are closed notes and closed book. However, you will be allowed one 8.5"x 12" sheet of personal notes one-sided for each quiz, and double-sided for each exam.
13. **General extra credit** activities have the purpose to promote student participation and discussion of class assignments. Extra credit can only be applied to quizzes.
14. **Cheating:** Cheating on tests and programs will be dealt with very severely. You must make a diligent effort to prevent other students from seeing your test answers. Keep your paper covered and do not let your eyes wander during tests. You should not receive or give help to others on any program that goes beyond help in deciphering syntax errors. **Plagiarism:** Plagiarism is a form of cheating. Copying someone else's program, changing a few lines, and turning it in as your own is plagiarism; thus, this is cheating. Each student is to write his or her own programs.

15. Incompletes Policy: Incompletes are not to be used as a shelter from potentially low grades. To take an incomplete, you must have "maintained a passing grade in the course until near the end of the course".
16. Topics or discussions unrelated to class, suggestions about the logistic of the course are all welcome outside class, but are considered disruptive during class and will affect negatively your "class contribution" grade, and may impact at the discretion of the instructor your final grade.
17. The use of Laptops is not allowed during lecture unless is used for note taking assistance. Therefore, checking e-mail and browsing the WWW during class is strictly forbidden and will severely penalize your class contribution grade.
18. Cellular Telephones and Pagers in Class and Lab: Along with your instructors, many students find these both distracting and rude. As a courtesy to all involved, please either turn off your cellular telephone or pager or disable the ring tone during lecture and lab. If you must use the phone, please leave the classroom or lab and go to a place that will not interrupt others.
19. **Students with a Disability:** Anyone who has special needs that must be accommodated to fulfill the course requirements should contact the Disability Services Coordinator in the Office of Educational Support Services (WLLC D175, 595-2372), and keep me informed. The University has many resources available to assist students with their academic studies.
20. **Accommodation for Religious Observances:** UW-Parkside policy requires that reasonable accommodation for a student's religious beliefs. Please notify your instructor within the first two weeks of classes about any scheduled class date that conflicts with a religious observance.
21. **Tentative class Schedule**

<b>Week</b>	<b>Topics</b>	<b>Chapter Readings</b>
<b>1</b>	Introduction	Chapter 1
<b>2</b>	Language Design Criteria	Chapter 2
<b>3</b>	The C Language	
<b>4</b>	C++	
<b>5</b>	Python	
<b>6</b>	Functional Programming	Chapter 3
<b>7</b>	Functional Programming	Chapter 3
<b>8</b>	Logic Programming	Chapter 4
<b>9</b>	Logic Programming	Chapter 4
<b>10</b>	Object-Oriented Programming	Chapter 5
<b>11</b>	Syntax	Chapter 6
<b>12</b>	Basic Semantics	Chapter 7
<b>13</b>	Data Types	Chapter 8
<b>14</b>	Control I – Expressions and Statements	Chapter 9
<b>15</b>	Control II – Procedures and Environments	Chapter 10