

## CPSC 401 Organization of Programming Languages -- Spring 2007

<b>Time/Place</b>	9:00 – 10:45; 2:00 – 3:15 Trinkle B7, Tuesdays & Thursdays
<b>Course Web Page</b>	<a href="http://paprika.umw.edu/~ernie/cpsc401">http://paprika.umw.edu/~ernie/cpsc401</a>
<b>Instructor</b>	<a href="#">Ernest Ackermann</a>
<b>Office</b>	Trinkle Hall B21
<b>Email</b>	<a href="mailto:ernestackermann@acm.org">ernestackermann@acm.org</a>
<b>Telephone</b>	540.654.1320 (Office), 540.371.3883 (Home) - between 9 AM and 9 PM, please
<b>Office Hours</b>	11-12, 1-2 Tuesday & Thursday, 10 – 11 Wednesday, by appointment on Monday and Friday. Feel free to <a href="#">make an appointment</a> for other times. Questions/comments via email are welcome anytime.
<b>Required Text</b>	Modern Programming Languages: A Practical Introduction by Adam Webber. Franklin, Beedle & Associates, 2003. ISBN 1-887902-76-7.

**Prerequisite:** CPSC 305, 321, and 326 **Credits:** 3. This course is a required course in the major program in computer science.

**Catalog Description:** A course in programming language construction and design emphasizing the run-time behavior of programs. Alternative implementations of programming language constructs are considered. Techniques for language definition may also be discussed.

**Goals and Objectives:** The primary goal is for the students to leave this course with a greater understanding of the nature of programming languages including issues of design, implementation, and run-time behavior. This course is writing intensive and so we'll spend some time writing, talking about writing, and developing writing skills. So a goal for the end of the course is that we will have thoughtfully considered programming languages and be able to discuss and write about them in a clear manner at appropriate depth.

**Absences:** Don't even think about it unless you are ill. From what I've seen, students who miss several classes usually fail the course or otherwise get low grades and generally get very little from a course. You are responsible for all assigned readings and especially materials presented in class lectures. It is your responsibility to obtain all materials missed.

### COURSE REQUIREMENTS

**In order to receive a passing grade in this class a student must satisfy all of the following.**

**Take all tests, including the outcomes assessment (OA) test if you have taken CPSC 405.**

**The average of the scores on all tests, except for OA, must be at least 60.**

**Complete all writing assignments.**

**The average of the scores on all assignments must be at least 60.**

**To do well in this course you need to**

- Show up
- Read the text
- Be involved
- Pay attention

**Outcomes Assessment Testing:** Students who have completed CPSC 405 are required to take a department-administered outcomes assessment test. **The test will be Thursday April 5 from either 8 AM to Noon, or from 2 PM to 6PM.**

## Exams& Quizzes

- There will be two in-class exams during the semester on Thursday, February 22 and Thursday, March 29.
- Final exam: Tuesday, May 1, 2007, 3:30 - 6 PM; Thursday May 3, 2007, 8:30 – 11:00 AM
- There will be one quiz (5 – 10 questions) each week except for the weeks during which tests are given.
- NO makeup exams or quizzes will be given except in the case of an unavoidable absence that can be verified as legitimate. Let me know of the case of a planned absence so that arrangements for taking the exam can be made.

**Assignments:** It's more important to me that an assignment is completed and turned in late than it is done on time. Feel free to talk with me about the solution to a programming problem, and help with problems of syntax or implementation of an algorithm. This is a writing intensive course. You will have several assignments where you will have the opportunity to gain experience writing about topics in computer through assignments. These assignments will be critiqued and evaluated. Just as with a programming problem, feel free to talk with me about problems that develop during the writing process. I expect the Honor Code to be upheld on all assignments and tests handed into me. All work handed into me must be prepared using a computer. No handwritten work will be accepted. Several assignments to be completed outside of class will be given throughout the semester. Specific requirements as to format, style, and content will be discussed later. Assignments are due by ~~2 AM~~ 5 PM (changed January 23, 2007, 1:33 PM) of the announced due date if full credit is to be given. Otherwise 5 points will be deducted from the final score for each day an assignment is late, up until the point it is one week late. Assignments that are more than one week late will receive no credit, the grade will be 0. Each submitted assignment must be executed on [paprika.umw.edu](http://paprika.umw.edu).

**Ethics:** You are expected to conduct yourself in a manner consistent with the letter and spirit of the Honor Constitution. However, exchanging ideas with and evaluating the ideas of others enhances student development in Computer Science. This is further spelled out in "Policies and Procedures Regarding Academic Honesty," <http://rosemary.umw.edu/CSHonorCode.html>.

**Grading:** Assignments count for 35% , the average of the quiz grades counts for 10%, the first exam counts for 15% of the grade, the second for 20%, and the final exam for 20% of the grade. Grades will be recorded based on your computed numeric score. A: 92 - 100, A-:89 - 91, B+: 87 -88, B: 82 - 86, B-: 79 - 81, C+: 77 - 78, C: 72 -76, C-: 69 - 71, D+: 67 - 68, D: 60-66, F: Below 60.

**Disabilities:** The Office of Disability Services has been designated by the college as the primary office to guide, counsel, and assist students with disabilities. If you receive services through the Office of Disability Services and require accommodations for this class, make an appointment with me as soon as possible to discuss your approved accommodation needs. Bring your accommodation letter with you to the appointment. I will hold any information that you share with me in the strictest confidence unless you give me permission to do otherwise.

If you have not made contact with the Office of Disability Services and have reasonable accommodation needs (note taking assistance, extended time for tests, etc.), I will be happy to refer you. The office will require appropriate documentation of disability.

**List of topics:** Schedule available at <http://paprika.umw.edu/~ernie/cpsc401>. My plan is that we cover the material in chapters 1-10, 12 - 20, 23 -24 of the text for the course. That implies that we will cover the material in a new chapter almost every class period.