

Instructor:	Patrick Troy															
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Email:	troy AT uic DOT edu															
Office Hours:	2:00 – 3:15 Thursday or by appointment															
Lecture Times:	5:00 - 5:50 Tuesday LC A1 Call #: 34861															
Lab Times:	3:00 - 4:50 Tuesday 2254 SEL Call #: 41374 9:00 - 10:50 Wednesday 2254 SEL Call #: 34862 11:00 - 12:50 Wednesday 2254 SEL Call #: 35270 1:00 - 2:50 Wednesday 2254 SEL Call #: 36659 3:00 - 4:50 Wednesday 2254 SEL Call #: 37158															
Texts:	<ul style="list-style-type: none"> <li>• <u>Understanding and Using C Pointers</u>, by Richard Reese, O'Reilly Media, Inc., ISBN-13: 978-1-4493-4418-4</li> <li>• <u>Practical C++ Programming, 2<sup>nd</sup> Ed.</u> by Steve Oualline, O'Reilly Media, Inc., ISBN-13: 978-0-596-00419-4</li> </ul>															
Assignments:	<table> <tr> <td>Programming Projects</td> <td>(7 at 5% each)</td> <td>35 %</td> </tr> <tr> <td>Lab Exercises</td> <td>(13 at 2.5% each)</td> <td>32.5 %</td> </tr> <tr> <td>Code Reviews</td> <td>(13 at 0.5% each)</td> <td>6.5 %</td> </tr> <tr> <td>Exam 1</td> <td>10/24 &amp; 10/25 in Lab</td> <td>15 %</td> </tr> <tr> <td>Exam 2</td> <td>12/5 &amp; 12/6 in Lab</td> <td>15 %</td> </tr> </table>	Programming Projects	(7 at 5% each)	35 %	Lab Exercises	(13 at 2.5% each)	32.5 %	Code Reviews	(13 at 0.5% each)	6.5 %	Exam 1	10/24 & 10/25 in Lab	15 %	Exam 2	12/5 & 12/6 in Lab	15 %
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URL:	<a href="http://www.cs.uic.edu/CS211">http://www.cs.uic.edu/CS211</a>															
Catalog Description:	Software development tools and practices; debugging and testing; advanced language features; standard libraries; code management.															
Prerequisite:	Grade of C or better in CS 141 (CS 102)															

The exams for the class will have you write a working program on a computer in a computer lab during the time allowed for the exam. The first exam will occur during the lab time. The second exam may occur during the final exam period if we can set up the proper accommodations for the exam; otherwise it will occur during the last week of the semester.

The programming projects will be given out every other week during the Lecture on Tuesday and are due by 11:59 pm on the Monday 13 days later. Each programming project will count for 5% of the final grade. **Late programming projects will be allowed for this course with the following penalty:**

- |                    |                          |
|--------------------|--------------------------|
| <b>1 day late</b>  | <b>10% late penalty</b>  |
| <b>2 days late</b> | <b>30% late penalty</b>  |
| <b>3 days late</b> | <b>60% late penalty</b>  |
| <b>4 days late</b> | <b>100% late penalty</b> |

The lab exercises will be given out almost every during the lab. Students will have ~75 minutes to complete and turn them in during that lab. Each lab exercise will count for

2.5% of the final grade. **No late lab exercises will be allowed for this course. You must attend lab to get credit for the lab exercise.**

During the lab periods, students should also take part in Code Reviews. Code Reviews will have the students divide into groups of 2 or 3 students. The members of the group can change from week to week. One student will present his/her code from a recent (or current) programming project to the other members of the group. The other members are to provide comments and feedback on the code presented. Each student must present code on at least 3 occasions to earn full marks. Each code review is worth 0.5% of the final grade. Code Reviews will be submitted via Blackboard and must be submitted by 11:59pm on a Thursday when a Lab Exercise is given. Only one submission to Blackboard from each group is required.

The course will be divided into 3 parts:

1. C Pointers
2. Tools and Techniques
3. Object Oriented Programming

**C Pointers** will include the use of pass-by-address parameters, dynamic arrays, and linked lists. **Tools and Techniques** will include the use of debuggers, version control, recursion, test case development and command line interfaces. **Object Oriented Programming** will include the creation of classes in the C++ programming language. Each section will last about the same amount of time. The Tools and Techniques portion will get intermixed among the other 2 parts.

If you have any questions regarding how any assignment or test is graded and you think that you deserve more points than you received, you must see the instructor about this within one week of the time the assignment is first returned to the class. No claims, justifiable or not, will be considered after this dead line.

Attendance at lecture is up to the discretion of each student; however, each student is responsible for all information (notes, hand-outs, announcements, etc.) covered during class. You should ask fellow classmates for missed information, not the instructor or the TA. Attendance in lab is required to receive credit for the lab exercises.

No "extra" work is allowed to make up for poor performance. Any student caught cheating will receive an F in the course, and face possible dismissal from the University. Students are advised that it is a violation to copy, or allow another to copy, all or part of an exam or program. No incompletes will be given for poor performance in the course.

Because of SPAM, when sending email please include "CS 211" in the subject. Also note that sending email from your [netID@uic.edu](mailto:netID@uic.edu) account is also less likely to get caught by the Spam filter. For this reason, sending email from your UIC email account is highly encouraged.