CSC331 Operating Systems

INSTRUCTOR

Name: Dr. Bin Lu
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Phone: 610-436-2595
Email: blu <at> wcupa <dot> edu (put "CSC331" on the subject line when emailing to me)
Office hours: Mo: 2:00-3:00pm; TuTh: 2:15-4:15pm; or by appointment.

PREREQUISITES

CSC220, CSC240, CSC241, CSC242

LEARNING OUTCOME GOALS

a. Students achieve proficiency in computer science knowledge (fundamentals of programming, computer organization, data structures, software engineering).
b. Students demonstrate ability to design, implement and evaluate a computer-based system, process, components, or program to meet desired needs.
c. Students demonstrate ability in applying their major knowledge to practical problems.

TEXTBOOK


COURSE TOPICS

- Introduction to Operating Systems
- Operating System Structures
- Processes
- Threads
- CPU Scheduling
- Process Synchronization
- Deadlocks
- Memory Management
- File Systems
- Protection

GRADING POLICY

20% — First Test (in approximately week Six)
20% — Second Test (in approximately week Ten)
20% — Third Test (in approximately week Fourteen)
32% — Assignments (there will be four, 8% for each)
4% — Practice quizzes (there will be four, 1% for each. They are open book & notes; will be taken on D2L.)
4% — Attendance (Unexcused absences: 3 = -1%; 4 = -2%; 5 = -3%; 6 = -4%; >6 = “F” for the course. Arriving late / leaving early 15 minutes is an absence.)
The assignments will consist of programming. The first test will cover everything up to the then current point in the class. The second test will focus on everything from the first test up to the then current point in the class, and the third test will cover all of the material in the entire class. All the three tests are close book, close notes tests. A handwritten cheat sheet (crib sheet) will be allowed for the first test. The instructions of how to use cheat sheet will be announced in class.

POLICIES ON LATE ASSIGNMENTS

Homework and project deadlines will be enforced. Late homework will be accepted with a 5% reduction in grade for each class period they are late by, and 10% reduction for each week. However, once a homework assignment is discussed in class or the solution is posted, submissions will no longer be accepted. All assignments must be turned in before the start of class on the due date.

POLICIES ON ABSENCES AND MAKEUP WORK

1. This is a challenging course and better attendance = better grades. This “strict” attendance policy is for your benefit. Unexcused absences should be rare. So ALWAYS notify your professors of ANY absence to see if they can be excused.
2. Students are allowed to take excused absence. However, evidence, such as university excuse letter or doctor's note, must be shown. The instructor will NOT discuss the content of missed classes with students who take unexcused absence.
3. Students are responsible for discussing makeup exams if they miss exams due to excused absence. The instructor will choose a mutually agreed date and time for the makeup exam. The makeup exam must be taken before the exam keys are distributed or the exams are discussed in class.
4. Late submission of homework assignments due to excused absences is not subject to the policies on late assignments.

IMPORTANT DATES

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Day of Classes</td>
<td>January 19</td>
</tr>
<tr>
<td>Last day to drop/add</td>
<td>January 26</td>
</tr>
<tr>
<td>Course Withdrawal Period Begins</td>
<td>January 27</td>
</tr>
<tr>
<td>Spring Break</td>
<td>March 7 - March 11</td>
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<tr>
<td>End of Course Withdrawal period. Term Withdrawals only after this date.</td>
<td>March 25</td>
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<tr>
<td>End of term withdrawal period.</td>
<td>April 25</td>
</tr>
<tr>
<td>Last Day of Classes</td>
<td>May 2</td>
</tr>
<tr>
<td>Final Examination</td>
<td>3:30-5:30pm, Friday, May 6, 2016</td>
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ACADEMIC INTEGRITY

COMPUTER SCIENCE ACADEMIC DISHONESTY POLICY

The Computer Science Department has adopted the following policies in regard to academic dishonesty in Computer Science classes:
1. A student found to be academically dishonest in an assignment will receive zero for that assignment if it is his/her first offense in that class, but an F for the course if it is for his/her second offense in that class.

2. A student found to be academically dishonest in a test will receive the grade of F in that class.

3. For the purposes of this document on academic dishonesty, every form or method of evaluation in a class will be considered as being of one of two types: an assignment or a test. Assignments include homework assignments, and short quizzes. Tests include final exams and major exams. An instructor has, subject to these guidelines, the discretion to determine the type of any other form of evaluation, such as a project, in his/her class.

4. A student who has received the grade of F in a course because of academic dishonesty and who wants or is required to repeat that course may re-take that course only as a regularly scheduled course that is open to the student community in general. In exceptional circumstances, this condition may be revoked, but only by an explicit action to that effect by the full Computer Science Committee, and only then on a case by case basis.

5. The term academic dishonesty is used throughout in the sense provided by the rules and regulations of West Chester University.

The following is taken from The Ram's Eye View of 1997-1998:

Academic dishonesty as it applies to students includes but is not limited to academic cheating; plagiarism; the sale, purchase, or exchange of term papers or research papers; falsification of information which includes any form of providing false or misleading information, written, electronic, or oral; or of altering or falsifying official institutional records. Plagiarism is defined as copying another's work or portion thereof and/or using ideas and concepts of another and presenting them as one's own without giving proper credit to the source.

STUDENTS WITH DISABILITIES

Please see http://www.wcupa.edu/_admin/social.equity/ADA.htm for AMERICANS WITH DISABILITIES ACT POLICY

According to the statement, "...A student who wants to request an accommodation and/or receive specialized services should contact the Director of the OSSD Office. The policies and procedures used by the OSSD Office are contained in the West Chester University Handbook on Disabilities, which is available in the OSSD Office, located at 105 Lawrence Center, V/TDD 610-436-3217."

EMERGENCY PHONE NUMBER

For any emergency incident, contact WCU's Department of Public Safety: 610-436-3311.