Welcome to CS 314!

Instructor: Dr. Hiroshi Fujinoki
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URL: www.siue.edu/~hfujino

Office Hours: (1) Mondays: TBA after SIUE campus is open July 7
(2) Tuesdays: TBA after SIUE campus is open July 7
(3) Wednesdays: TBA after SIUE campus is open July 7
(4) Thursdays: TBA after SIUE campus is open July 7

_until July 7, any question and contact to the course instructor should be by e-mails.

Note: item with "_topic" symbol means an important item.

Course Prerequisites:
CS286 (Computer Organization & Architecture) and CS240 (Introduction to Computing III) with a 'C' or better grade for each of the two courses

Grading:  
<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Final Letter Grade</th>
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</thead>
<tbody>
<tr>
<td>Homework (Quizzes)</td>
<td>15%</td>
<td>100-92: A</td>
</tr>
<tr>
<td>Homework (Exercises)</td>
<td>15%</td>
<td>91-82: B</td>
</tr>
<tr>
<td>Programming projects</td>
<td>15%</td>
<td>81-72: C</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>25%</td>
<td>71-62: D</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
<td>Below 62: F</td>
</tr>
</tbody>
</table>

Expected Effort for this course:
- SIUE requires at least 10 hours of work for each of the three-credit-hour course. This course expects each student at least 10 hours of work for each week.
- Since this course is an on-line course, it is expected that each of you visits the course home at least four times each week (over different days in each week).
• Any emergency communication will be by e-mails to each from the course instructor. This course expects each student to check e-mail at least once in each day.

❖ The course instructor will not be responsible for loss of your credit because of your failures to check the course home and e-mail as frequently as described above.

❖ Exams:
  • Exams are “synchronously scheduled”, meaning that each of you should select one of the designated exam slot in Week #6 (midterm) and the final exam week (final) and take the exams in the designated time slots you selected.
  • After you selected your designated exam time slot, failing to take the exam without a prior consent from Dr. Fujinoki will result in zero point for that exam (except medical emergencies described below).
  • Exams will cover reading assignments and the required exercise questions.
  • Exams will be closed textbook and closed notes.
  • A calculator is allowed in the exams.
  • One letter-size cheat sheet is allowed in the exams.
  • If you need any special assistance, you must contact to Dr. Fujinoki at least one week before.
  • Makeup exam will be offered only for the following two cases:
    (a) Your medical emergencies (with a signed doctor’s letter)
    (b) You have more than two exams scheduled on the same day
    Makeup for any other reasons will not be provided (no exception).
    Absence from an exam will result in zero point for the exam (except medical emergencies).
  • Any grading error regarding your exams should be reported to Dr. Fujinoki within two weeks (14 calendar days) after your graded exam is returned in the classroom.

❖ To assist each of you during the designated exam time slot, Dr. Fujinoki will be available over the phone to assist you.
Course Projects: There will be one start-up and two programming projects in this course (Project 0, 1, and 2 respectively). Each programming project is an individual project (i.e., not a team project). The topics in each programming project is described in separate handouts. The course programming projects use C/C++ on a UNIX-based system. The weight of the three projects is 10, 45, and 45 (for Project 0, 1, and 2, respectively) of your programming project grade.

*: The schedules of the programming projects are subject to change during a semester, depending of various factors, such as the number of the lecture cancellations due to severe weather and the progress of the lectures.

Quizzes:
- There will be 6 quiz homework during this course (each quiz has ten - fifteen essential questions from the lecture slides). Each quiz homework should be individually prepared using the course textbooks and the PPT slides provided by the course instructor. If we cannot make all the seven quizzes by the end of this semester, the 15% weight of the quiz grade to the course grade will remain unchanged though. Your lowest quiz grade will be dropped for your quiz grade.

Exercises:
- There will be (up to) 5 exercise homework during this course. Each exercise homework should be individually prepared using the course textbooks and the PPT slides provided by the course instructor. If we cannot make all the eight exercises by the end of this semester, the 15% weight of the exercise grade to the course grade will remain unchanged though. Your lowest exercise grade will be dropped for your exercise grade.

Reading Assignments:
- Textbook: Designated chapters in the textbooks are supposed to be read before each lecture. Subjects in the designated textbooks may be covered in the exams even though those subjects are not explicitly mentioned in the lecture.
♦ Academic Dishonesty:

Following activities (but not limited to them) will be considered academic dishonesty:

I. Exams:
   • Using materials not allowed during exams.
   • Anyone committing academic misconduct above (I-(a) or (b)) will receive a failing grade for this course and reported to the department chair as well as to the dean of the school of engineering.

II. Programming Projects:
   (a) Submitting work totally or partially done by somebody else (this includes any human/electronic sources (such as web sites and even another course at SIUE)).
   (b) Submitting program source code files (for the programming projects) that are developed by collaborations with other people. This includes both program designs and implementations.
   (c) Exchanging, sending, or receiving program source code files (in any forms, such as e-mails, hard-copies, and hand-writing codes on paper) to anyone is not allowed.
   (d) Anyone committing academic misconduct above (II-(a) or (b)) will receive a grade of zero on the assignment plus a warning for the first infraction. Anyone committing a second infraction will automatically fail the course and/or be brought up on charges of academic misconduct, which may result in expulsion from the university.

♦ Required Textbook:

☒ 1: The textbook is required for everyone in this course. The instructor will never loan his textbook to any student in this course.

☒ 2: Older versions (Second and Third) of the textbook are also acceptable for this course.

Other Required Skills/Knowledge:

Proficiency in C/C++ is required.
Other Notices:

- Any grading problem should be reported **within two weeks (14 days) after their grades are posted** or the graded materials are returned in the classroom.

- E-mails sent to the course instructor during weekends and holidays may not be responded.

- Any special arrangement agreed between you and the course instructor (Dr. Fujinoki) should be documented. **Any promises or agreements orally made between you and the course instructor may not take effect without a documentation** (it is your responsibility to document any such promises and agreements).

- Ask your questions to the course instructor whenever you have anything you do not have a clear answer for. Please do not make your own assumptions (if you do, you are responsible for any assumptions you make when they are not correct).

Tentative Class Schedule (**subject to change**):

This schedule is tentative and subject to change.

<table>
<thead>
<tr>
<th>Week #: Day</th>
<th>Topics</th>
<th>Reading Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1 (June 1):</td>
<td>Introduction</td>
<td>Chapter 1 (1.1 through 1.7)</td>
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<tr>
<td></td>
<td>Operating System Concepts</td>
<td>Chapter 2 (2.1 through 2.5)</td>
</tr>
<tr>
<td></td>
<td>Processes and threads (Part 1)</td>
<td></td>
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<tr>
<td></td>
<td>• Project #0 issued</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Quiz #1 issued</td>
<td></td>
</tr>
<tr>
<td>Week 2 (June 8):</td>
<td>Processes and threads (Part 2)</td>
<td>Chapter 2 (2.1 through 2.5)</td>
</tr>
<tr>
<td></td>
<td>• Quiz #1 due (June 8)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Project #0 due (June 10)</td>
<td></td>
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<tr>
<td></td>
<td>Resource Assignments and Deadlocks (Part 1)</td>
<td>Chapter 3 (3.1 through 3.4)</td>
</tr>
<tr>
<td></td>
<td>• Quiz #2, Exercise #1 issued</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Project #1 issued</td>
<td></td>
</tr>
</tbody>
</table>


- The list of the reading assignment is the minimum requirement. It is expected that each student voluntarily studies not only the required sections but other related sections or materials.
• If you have any problem for the above schedule, please contact to Dr. Fujinoki as soon as possible.
• Any question regarding this syllabus should be addressed to: hfujino@siue.edu