



## CGS 3269 COMPUTER ARCHITECTURE CONCEPTS Spring 2006

**Instructor:** Dr. Piotr S. Windyga

**Teaching Assistant:** Ms. Min Hu (PhD candidate)

**Course Description:** 3(3,0); CGS 1060C; CPU organization, current computer architectures, network file servers.

**Textbook:** Null L, Lobur J. The Essentials of Computer Organization and Architecture. 2003. Jones & Bartlett Publishers. 076370444X. (<http://computerscience.jbpub.com/ECO/A/>) This course covers most of chapters 1-7.

**Tools:** MARIE (assembler) and CAMERA (memory simulator), both downloadable from the book's Web page.

**Class schedule:** (001) Tuesdays & Thursdays 12:00-1:15 PM, BA 119.

**Grades:** Based on exams (70%), assignments (20%) and quizzes (10%); A > 90%, B > 80%, C > 70%, D > 50%; F else

### Exams weights:

#1 (15%), #2 (25%), #3 (20%), Final (10%)

Quizzes (10%); all quizzes have the same relative weight.

### Assignments weights

Each assignment is worth 10%.

### Quizzes weights:

All quizzes have the same relative weight (3.3% each).

### Course General Policy:

- Laptops, PDAs and other mobile computing devices must be turned off during lectures and tests.
- Students who are not officially registered in this class are not allowed to attend the lectures, submit projects or take exams.
- All students officially registered in this class are treated equally. For example, not being a full-time student, having a particular major or having been accepted conditionally does not provide any prerogative.
- Although this course makes intensive/extensive use of WebCT, this is not a distance learning course. Consequently, students are expected to attend all lectures. However, students will not get points for attendance (or showing up during office hours).
- Students expecting to miss a course meeting due to obedience to religious holidays must inform the instructor during the first week of the term.
- Students are responsible for obtaining from other students in the course, assignment directions, and course material provided during missed lectures.
- No *ad hoc*, on-demand, extra credit test/homework/project will be offered.
- The grade that students receive in other courses does not affect the grade in this course.
- Lowest grade will not be dropped; no curving will be applied.
- No forecasts of final grades, credits required, or possible grade scenarios will be provided.
- No office hours are offered the day of an exam/quiz.
- Poor performance is not a reason to receive an "Incomplete" grade.

### Exam Policy:

- Exam/quiz grade revision can result in point reduction.
- No exam/quiz can be taken earlier/later.
- An exam/quiz can be taken only once.
- The Final Exam is comprehensive.
- Make-up exams are offered the day of the Final Exam.
- Exams/quizzes are individual, closed-note, closed-book; material needed will be provided; personal calculators are allowed.
- When answer is numerical, work must be shown; questions without sufficient work will not receive credit, not even partial.
- Partial/full credit cannot be given unless the work shown is readable.
- No details about either the type or the number of questions on exams/quizzes will be provided (exam/quiz questions are on the same level of difficulty as suggested exercises in the text book); asking may be cause for point reduction.
- All answers have to be given on the single sheet containing the questions' statement, which is provided by the instructor (scrap papers and supporting material if needed will be provided).

### Exams Dates: (Thursdays)

#1: 02/09/06; #2: 03/09/06; #3: 04/20/06

Final: 04/27/06, 10:00AM-12:50PM

### Assignments Due Dates: (Tuesdays, 12:00PM)

#1: 03/07/06; #2: 04/04/05

### Quizzes Dates: (Thursdays)

#1: 01/26/06; #2: 02/23/06; #3: 04/06/06

- The method to prepare for an exam/quiz is standard: attend all lectures, read all related sections in the book, use the indicated software tools, do all suggested exercises and browse all related overheads.
- Exams/quizzes are returned at the end of a lecture or during office hours for one week after the exam/quiz day.
- The exam/quiz result review period ends the day before next exam. Final Exam results are reviewed next day after grades publication.

### e-mail/phone Use Policy:

- The only e-mail addresses to be used to contact the instructor/TAs for matters related to this class are the ones provided in the WebCT page; e-mails sent from non-UCF accounts will be ignored (considered spam).
- The only phone numbers to be used to contact the instructor/TAs for matters related to this class are the ones provided in the WebCT page.
- The e-mail/phone is not a replacement of lectures, *i.e.*, no information already provided in class will be provided, and no briefings of missed lectures will be provided.
- The e-mail/phone is not a replacement of office hours, *i.e.*, no answers to technical questions will be provided, and no grades will be provided.

### Assignments Policy:

- Assignments are individual.
- No partial credits will be given for non working assignments.
- All assignments are due at the beginning of class on the due date; otherwise no credit will be given.

### Academic Misconduct Policy:

- UCF policies on academic integrity will be followed strictly.
- Assignments and exams must be the work of students turning them in.
- For individual assignments, copying or looking at someone else's solutions or code is forbidden; for team assignments, copying or looking at another team's solutions or code is forbidden.
- Inter-student collaboration on assignments is prohibited.
- Everyone in the class is responsible for taking appropriate measures for protecting one's work as deemed reasonable.
- Penalties for academic misconduct include a failing grade in this course
- For the purposes of this policy, the Internet is considered both "someone else" and "another team." Note: Tools for detecting plagiarism are used.

### Disabled Students:

- Individuals who have any disability, either permanent or temporary that might affect their ability to perform in this class, are encouraged to inform the instructor at the beginning of the term; adaptation of methods, materials, or testing may be made as required to provide for equitable participation.