SYLLABUS
CSCE 614: Computer Architecture
Fall 2018

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1 Course Information

1.1 Catalog Description
Reviews of von Neumann architecture and its limitations; parallel computer structures and concurrent computation; pipeline computers and vectorization methods; array processors, multiprocessor architectures and programming; dataflow computers.

1.2 Prerequisites
CPSC 350. An undergraduate computer engineering or computer science background is expected.

1.3 Textbook

2 Reading Assignments
Students are required to read the textbook and assigned papers as announced. Note that some parts of the textbook are on the CDROM that accompanies it.

3 Grading and Course Requirements

3.1 Attendance Policy
Class attendance is strongly recommended. Students are responsible for any material missed. Material covered in the lectures may not be found in the textbook or the slides. Missed exams, quizzes and class presentations may be made up only for a university-excused absence. Other special situations must be discussed with the instructor in advance of the exam.

3.2 Grading Scheme
The course consists of lectures, reading, homework, project and exams. The grade will be computed as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Midterm</td>
<td>25 %</td>
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<tr>
<td>Final Exam</td>
<td>25 %</td>
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<tr>
<td>Homework</td>
<td>25 %</td>
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<tr>
<td>Project</td>
<td>25 %</td>
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3.3 Exams
The midterm examination will be held in class with the exact date determined during the semester. The exams will cover all material up to that point, so you are responsible for mastering all homework material. All exams will be closed book and closed notes (unless otherwise stated).

3.4 Assignments
Homework will be assigned as lecture topics are completed. Reading assignments will be assigned associated with lecture topics.
Assignments will be released on the course web site. The correct approach is to start working on assignments as early as possible and contact the instructor or grader when you encounter difficulties. In general, the closer to the deadline you request our assistance, the harder it may be to obtain our help.

3.5 Deadline Policy
Late work will not be accepted in general. Turn in all work by the established deadline. In case you have difficulties finishing an assignment, contact the instructor before the deadline. Late work can be accepted only under documented circumstances beyond the student's control and if possible by prior arrangement with the Instructor.

3.6 Submission of Work
All programming assignments deliverables must be submitted electronically, by the due date/time, using the turnin method, while writing assignments must be submitted as hard copies before class begins on the due date. Late assignments are not going to be accepted in general, unless a University sanctioned excuse is provided ahead of time. A student will earn points when he/she submits the assignment on time, by the partial credit policy. Note that email submissions will not be accepted (they will be ignored without notice). You have to follow the submission and media policies and guidelines published on the web.

3.7 Re-grading Policy
A student can request re-grading of assignments and exams, if he/she believes that the points assigned are inconsistent with the quality and merits of the submitted work. To request re-grading you have to follow the guidelines below.

1. Regrading requests must be submitted AT MOST ONE WEEK AFTER the item has been graded and returned to the student and solutions have been made public. After this time limit NO re-grading requests will be honored.
2. Re-grading requests must be as specific as possible and must be accompanied by a reasonable amount of justification and documentation. Requests must be in written form for major assignments and exams.
3. E-mails must be sent to TAs and graders or the instructor within the one week time limit.

3.8 Excused Absences and Make-up Policy
Make-ups for assignments and exams will be given only under circumstances beyond student's control (\textit{a university sanctioned excuse}). Prior arrangements with the instructor must be made when feasible and official verification of circumstances necessitating the absence will be required.

\section*{4 Academic Misconduct}
This course is governed by the Aggie Code of Honor and Texas A&M University Student Rules (\url{http://student-rules.tamu.edu}). This includes academic misconduct such as plagiarism and cheating. The penalties range from a zero grade on an assignment to expulsion from the university. The instructor of this course has had students expelled for scholastic dishonesty.

\textbf{Aggie Honor Code: An Aggie does not lie, cheat, or steal or tolerate those who do.}

Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the Texas A&M University community from the requirements or the processes of the Honor System. For additional information, please visit \url{http://www.tamu.edu/aggiehonor}. On all course work, assignments, and examinations at Texas A&M University, the following Honor Pledge shall be preprinted and signed by the student:

\textbf{On my honor, as an Aggie, I have neither given nor received unauthorized aid on this academic work.}

\section*{5 Disabilities}
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit \url{http://disability.tamu.edu}.

\section*{6 Copyrights}
The materials used in this course are copyrighted. By “materials”, we mean all documents and Web site contents generated for this class, including but not limited to syllabi, lecture materials, problems, and readings. Their usage is limited to your private personal use. Any other use requires permission of the copyright holders.