Syllabus
http://ahvaz.unomaha.edu

Computer Architecture

CSCI4350 W 5:30 - 8:10 Fall 2017

Instructor: Azad Azadmanesh
PKI Building, # 282 G
402-554-3976
azad@unomaha.edu

Text Book: Recommended
Computer Organization and Architecture
Prentice Hall, 2016

Date, Time, & Place: Fall 2017, W 5:30 - 8:10,
PKI 155

Office Hours: W 4:30 - 5:30, F 11:30-12:30, and
by appointment

Course Description:
Students are introduced to the technology and architecture of computers. The objectives are to introduce students to a large body of concepts and current trends in computer architecture, so that the design issues and their tradeoffs can be appreciated. It is assumed that students have had the equivalence of Digital Logic Design, Assembly Language, Computer Organization, and Data Structures courses. The course will cover the chapters: 1-6, 8, 12, 14, 15, 18. For better understanding, some topics are supplemented with material not included in the text book.

The class material and announcements might be posted on the class website: http://ahvaz.ist.unomaha.edu or on Canvas. More information will be provided during the first lecture.

Grading & Testing Procedures:
Three exams will be given during the course. Each exam questions are mostly concerned with the topics covered since the previous exam. There are times that a question may require knowledge from the previous material that you have already been tested on. Tentatively, you should expect an exam every 5 weeks.

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework</td>
<td>25</td>
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<tr>
<td>Exam 1</td>
<td>25</td>
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<tr>
<td>Exam 2</td>
<td>25</td>
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<tr>
<td>Exam 3</td>
<td>25</td>
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<tr>
<td>Total</td>
<td>100</td>
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The graded exams will be distributed during a class time and will be collected back at the end of the class time. You will have the opportunity to inspect and discuss your graded exams during the class time. You may also stop by my office to review your exam or your performance at any time during the semester. The class material will be destroyed two weeks after the final exam date. If you are interested in reviewing your performance or collecting your material such as homework assignments, you need to do so by the end of the second week. (A student taking an exam outside of the class room will lose 10% of his/her exam grade. Not returning an exam will be treated as not having taken the exam)

About 5-7 assignments will be given. Each is due by the end of the class time on the assigned due date. Late assignments will be penalized 10% (of earned points) per working day, or fraction
thereof. The solutions will be provided once the assignments are graded. You must collect your assignments either during the class time when they are returned or within a week. Otherwise, no adjustment to your missing grades can be made, unless your graded assignments are provided as a proof. Once solutions are published, late work can not be accepted for credit, even if you did not attend the class to receive the solutions. If you can not make it to the class on the due date, it is your responsibility to arrange for your homework to be handed in by the due date/time. In case of late homework, please write down the time and date you are returning it and leave it in my office. (Assignments left in my mailbox or emailed to me WILL NOT be graded.)

Students must be physically present on the exam day (Exams can not be taken online or off-campus). A student who misses an exam will receive F for the final grade. A student who misses an exam, specially without a prior agreement with the instructor, can not take the exam at a later time. You MUST have an extremely good reason to convince the instructor to take the exam at a different time. There will be no make-ups for the assignments or the exams. Also, there will be no extra assignments or projects for the sake of raising grades. After the final grades have been posted, you may stop by to review your final exam and discuss your class performance. As stated, the exams (or hard copies) will not be returned. The grading scale is based on the following:

\[
\begin{align*}
90 & \leq A - < 92 \leq A < 97 \leq A+ \leq 100 \\
80 & \leq B - < 82 \leq B < 86 \leq B+ \leq 89 \\
70 & \leq C - < 72 \leq C < 76 \leq C+ \leq 79 \\
60 & \leq D - < 62 \leq D < 66 \leq D+ \leq 69 \\
F & \leq 59
\end{align*}
\]

Attendance:
Power point slides will be used to present the course material. Homework assignments and exams will be based on the class coverage. There might also be some further discussion of some topics that may not be in the slides. Therefore, each student should recognize the importance of attendance. Should a student miss a class, he/she is expected to cover the material missed on his/her own.

Academic Honesty Policy:
The college and the computer science department impose specific actions in response to incidents of student dishonesty (cheating, plagiarism, etc.) that may include receiving a failing grade on an examination, failure in the course, suspension from the college, or dismissal from the college.

Important Dates:

<table>
<thead>
<tr>
<th>Exam 1</th>
<th>Sep 20 (Wed)</th>
<th>6:30 - 8:00</th>
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<tbody>
<tr>
<td>Exam 2</td>
<td>Oct 25 (Wed)</td>
<td>6:30 - 8:00</td>
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<tr>
<td>Exam 3 (Final)</td>
<td>Dec 13 (Wed)</td>
<td>6:30 - 8:30</td>
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<td>Last day to drop</td>
<td>Nov 03 (Fri)</td>
<td>Without my signature</td>
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<td>Nov 10 (Fri)</td>
<td>With my signature</td>
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<td>No classes</td>
<td>Sep 04 (Mon)</td>
<td>Labor Day</td>
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<td>Oct 16 - 17 (Mon, Tues)</td>
<td>Semester break</td>
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<td></td>
<td>Nov 22 (Wed)</td>
<td>Thanksgiving</td>
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