Instructor: Dr. Kuo-pao Yang  
Title: Professor  
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YouTube: https://www.youtube.com/user/yangkuopao  
Office Hours: Mon 01:45PM - 03:30PM  


Course Description: Credit 3 hours. Prerequisite: Computer Science 280 or Engineering Technology 212. An introduction to the structure and function of computing machines. The primary components of the computer are examined from an organizational and logical standpoint. Topics include introduction to digital systems; machine level representation of data; assembly level machine organization; memory system organization and architectures; and introduction to language translation. Credit toward the degree will not be granted for both Computer Science 290 and Computer Science 293.

Schedule (Tentative):

<table>
<thead>
<tr>
<th>Week #</th>
<th>Week of</th>
<th>Topics to be Covered</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>05/30</td>
<td>Syllabus</td>
</tr>
<tr>
<td>2</td>
<td>06/06</td>
<td>Chap01: Computer Abstractions and Technology</td>
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<tr>
<td>3</td>
<td>06/13</td>
<td>Chap02: Instructions: Language of the Computer</td>
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<tr>
<td>4</td>
<td>06/20</td>
<td>Chap02: Instructions: Language of the Computer</td>
</tr>
<tr>
<td>5</td>
<td>06/27</td>
<td>Chap03: Arithmetic for Computers</td>
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<tr>
<td>6</td>
<td>07/04</td>
<td>07/04: Independence Day Holiday; Midterm Exam</td>
</tr>
<tr>
<td>7</td>
<td>07/11</td>
<td>Chap03: Arithmetic for Computers</td>
</tr>
<tr>
<td>8</td>
<td>07/18</td>
<td>Chap04: The Processor</td>
</tr>
<tr>
<td>9</td>
<td>07/25</td>
<td>Final Exams</td>
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</tbody>
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07/07: Last day to withdraw or resign from the University  
07/28: Last day to return rental textbooks without a fine

Grading Policy:

- Programs/Homework/Quizzes: 30%  
- Midterm: 30%  
- Final Examinations: 40%

A: 90 – 100 %; B: 80 – 89 %; C: 70 – 79 %; D: 60 – 69 %; F: 0 – 59 %
Attendance Policy: Attendance is mandatory for all sessions of this course. Absences will be excused only with a valid written excuse, such as from a physician. http://www2.selu.edu/Academics/Depts/FacSen/attendancepolicy.pdf

Program/Homework: Programs/Homework will be collected periodically. Selected problems will be graded. No late Programs / homework will be accepted.

Examinations: There will be a midterm and a final examination. No makeup examinations will be given. If you miss an examination with an excused absence, your grade for this missed examination will be replaced by your final examination. In the case of illness, doctor’s excuse is needed. If your absence is unexcused, you will receive a grade of zero on the examination you missed.

Academic Integrity: Students are expected to maintain the highest standards of academic integrity. Behavior that violates these standards is not acceptable. Examples are the use of unauthorized material, communication with fellow students during an examination, attempting to benefit from the work of another student and similar behavior that defeats the intent of an examination or other classwork. Cheating on examinations, plagiarism, improper acknowledgment of sources in essays and the use of a single essay or paper in more than one course without permission are considered very serious offenses and shall be grounds for disciplinary action as outlined in the Academic Integrity Policy.

ADA Accommodation: If you are a qualified student with a disability seeking accommodations under the Americans with Disabilities Act, you are required to self-identify with the Student Accessibility Services, Tinsley Hall 102. No accommodations will be granted without documentation from Student Accessibility Services.

Classroom Decorum: Free discussion, inquiry, and expression are encouraged in this class. Classroom behavior that interferes with either (a) the instructor’s ability to conduct the class or (b) the ability of students to benefit from the instructor is not acceptable. Examples include routinely entering class late or departing early; use of beepers, cellular telephones, or other electronic devices; repeatedly talking in class without being recognized; talking while others are speaking; or arguing in a way that is perceived as “crossing the civility line.” In the event of a situation where a student legitimately needs to carry a beeper or cellular telephone to class, prior notice and approval of the instructor is required.

The office/classroom is not a place for children and neither employees nor students are to bring their family members for day care or baby sitting. If children require care, then the employee/student is expected to provide that care in an environment other than Southeastern office/classroom space.

Emergency Plan: To ensure the continuity of courses in the event of a natural disaster or similar emergency, the following plan will be implemented: (1) At the start of the semester, students need to download the syllabus and course schedule to their Google drive. Google drive will remain accessible during a disaster. (2) In the event a student must evacuate his/her home, if possible bring textbooks, notebooks and other class materials. (3) Check email at least once per day. As Gmail is a reliable, cloud-based service, E-mails will be our primary means of communication. (4) Continue to follow the weekly schedule from the syllabus. This includes reading the chapter, viewing power-point slides, and doing homework and labs. (5) Monitor www.southeastern.edu periodically for information on campus closures.