CMPS 101: Introduction to Computer Science
SUMMER 2010 (INTERNET)
SYLLABUS

Instructor: Dr. Kuo-pao Yang
Office: 327C Fayard Hall
Telephone: (985) 549 - 5088
Email: kyang@selu.edu
Web Page: http://www2.selu.edu/Academics/Faculty/kyang/

Course Description:
Credit 3 hours. Prerequisite: Registration in or prior credit for Mathematics 155 or 161. Introduction to the major areas of computer science including operating systems, machine architecture, programming languages, data representation and storage, and algorithm development. Includes major emphasis in problem solving and simple programming concepts.

Course Objectives:
Learning to program with Alice by creating virtual world on your computer. The Alice system is 3D graphics and memory intensive. It’s innovative and, best of all, you don’t have to worry about the ‘syntax’ that is often the greatest obstacle when learning to program conventional programming languages for a beginner.

Required Materials:
Note: Textbooks are available at rental office.
Hardware: Pentium running at 500 MHz or better, VGA graphics card capable of high (16 bits) color, 128 MB of RAM, Video resolution of 1024 x 768, sound card
Software: Alice, which comes with the textbook. You may also download the software from official Alice site: www.alice.org.
Note: you won’t be able to install Alice in the Labs on campus as a regular user. The PCs in Fayard Lab 125 are preinstalled with Alice.
Knowledge: You know how to upload/download, zip/unzip files, and use email

Electronic Resources:
• You are required to check Blackboard regularly at http://blackboard.selu.edu
• All material will be distributed on the Internet. Class notes, instructional material, and student assignments will be posted on Blackboard.

Grading Policy:
Homework (12) 120 points (= 10 * 12)
Quizzes (7) 140 points (= 20 * 7)
Tests (2) 120 points (= 60 * 2)
Final Exam 120 points
Total 500 points
A: 450 – 500 points; B: 400 – 449; C: 350 – 399; D: 300– 349; F: 0 – 299
Homework:
No late homework will be accepted. Send your homework to me through Blackboard. I will NOT accept any assignments through my personal SLU e-mail.

Examinations:
No makeup examinations are given. If you miss an examination with an excused absence, your grade for this missed examination will be replaced of 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.

Online examinations are taken during the assigned period (available for 48 hours usually). Online examinations can be taken multiple times. You have the opportunity to retake the online test during the time it is available as many times as you want in order to obtain your preferred grade. The last grade posted in the grade book before the online exam is made unavailable will be the grade given to you.

Academic Honesty:
Cases involving alleged academic dishonesty will be dealt with according to established university policies. Classroom behavior that is determined inappropriate and cannot be resolved by the student and the faculty member may be referred for administrative or disciplinary review. 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.

Americans with Disabilities Act:
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 Office of Disability Services, Room 111, Student Union. No accommodations will be granted without documentation from the Office of Disability Services.
# CMPS101 Tentative Schedule
## Summer 2010

<table>
<thead>
<tr>
<th>Week #</th>
<th>Assign Date</th>
<th>Topic</th>
<th>Due Date</th>
<th>Home work#</th>
<th>HW marks</th>
<th>Quiz #</th>
<th>Quiz marks</th>
<th>Full marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6/07</td>
<td>Syllabus</td>
<td>6/10</td>
<td>HW00</td>
<td>10</td>
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<td>10</td>
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<tr>
<td>1</td>
<td>6/09</td>
<td>Chapter 1: Getting Started with Alice</td>
<td>6/15</td>
<td>HW01</td>
<td>10</td>
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<tr>
<td>2</td>
<td>6/14</td>
<td>Chapter 1: Getting Started with Alice</td>
<td>6/15</td>
<td>HW02</td>
<td>10</td>
<td>Q01</td>
<td>20</td>
<td>30</td>
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<tr>
<td>2</td>
<td>6/16</td>
<td>Chapter 2: Program Design and Implementation</td>
<td>6/22</td>
<td>HW03</td>
<td>10</td>
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<tr>
<td>3</td>
<td>6/21</td>
<td>Chapter 2: Program Design and Implementation</td>
<td>6/22</td>
<td>HW04</td>
<td>10</td>
<td>Q02</td>
<td>20</td>
<td>30</td>
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<tr>
<td>3</td>
<td>6/23</td>
<td>Test1: Available 6/23 12:00AM (Wed) to 6/24 11:55PM (Thu)</td>
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<td>4</td>
<td>6/28</td>
<td>Chapter 3: Programming: Putting Together the Pieces</td>
<td>7/01</td>
<td>HW05</td>
<td>10</td>
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<tr>
<td>4</td>
<td>6/30</td>
<td>Chapter 3: Programming: Putting Together the Pieces</td>
<td>7/01</td>
<td>HW06</td>
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<td>Q03</td>
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<tr>
<td>5</td>
<td>7/05</td>
<td>Independence Day Holiday (7/05)</td>
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<td>5</td>
<td>7/07</td>
<td>Chapter 4: Classes, Objects, Methods, and Parameters</td>
<td>7/13</td>
<td>HW07</td>
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<td>7/12</td>
<td>Chapter 4: Classes, Objects, Methods, and Parameters</td>
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<td>HW08</td>
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<td>Q04</td>
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<td>6</td>
<td>7/14</td>
<td>Test2: Available 7/14 12:00AM (Wed) to 7/15 11:55PM (Thu)</td>
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<td>7</td>
<td>7/19</td>
<td>Chapter 5: Interaction: Events and Event Handling</td>
<td>7/20</td>
<td>HW09</td>
<td>10</td>
<td>Q05</td>
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<td>7</td>
<td>7/21</td>
<td>Chapter 6: Functions and If/Else</td>
<td>7/22</td>
<td>HW10</td>
<td>10</td>
<td>Q06</td>
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<td>8</td>
<td>7/26</td>
<td>Chapter 7: Repetition: Definite and Indefinite Loops</td>
<td>7/27</td>
<td>HW11</td>
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<td>Q07</td>
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<td>8</td>
<td>7/28</td>
<td>Final: Available 7/28 12:00AM (Wed) to 7/29 11:55PM (Thu)</td>
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**Note:**
1. **Restart** your computer if you have any problems to finish your exam. Your exam will be resumed after you log into the blackboard again.
2. Online examinations can be taken multiple times. You usually have 48 hours to finish an online examination. For examples, you can do Q01 from 6/14 12:00AM to 6/15 11:55PM, do Q02 from 6/21 12:00AM to 6/22 11:55PM.
3. Submit homework between Assign Date and Due Date. For example, you can submit HW01 from 6/09 12:00AM to 6/15 11:55PM, submit HW02 from 6/14 12:00AM to 6/15 11:55PM.
4. Only HW00 has no submission to blackboard.

**Grading Policy:**
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- Quizzes (7) 140 points (= 20 * 7)
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- Final Exam 120 points
- Total 500 points
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7/07/2010: Last day to withdraw from classes or resign from the University