Business Computer Information Systems I – Class Syllabus
BCIS 122, Section M01 – Spring 2013

Instructor:        Dr. Bobbie Green
Phone/Voicemail:      (505) 646-2640
Office:        Guthrie Hall, Room 313a
Email:        bobbie@nmsu.edu
Canvas:        http://learn.nmsu.edu
Office Hours:      Wednesday’s from 11:30 to 12:30 or by Appointment

Textbook (Required)
• Alice 2.x Software (free). We will use version 2.3. You can download the software from:

Course Description

This course introduces the basic concepts of computer programming in a visual environment (Alice). Emphasis will be given to algorithm development, data description, control structures, and object oriented principles. Besides being exposed to the visual programming environment Alice, students will be also introduced to a third generation programming language. At the end of the course, students are expected to have a solid understanding of the basic programming concepts necessary to proceed to BCIS 222.

Please note that you MUST earn a 'C' or better in this course in order to proceed to BCIS 222.

Prerequisite: C or better in BCIS 110 or CS 110; and MATH 120.

Course Objectives

The student who completes this course should be able to:
• Create an animation using Alice
• Create an interactive program using Alice
• Identify and use:
  1. Planning tools such as storyboards, pseudocode, and algorithms.
  2. Variables and control structures (functions, if/else, loops).
  3. Classes, objects, methods, parameters, and inheritance.
  4. Events and event handlers.
  5. Arrays
• Relate concepts from the visual environment of Alice to a third generation programming language
• Understand the purpose of an integrated development environment

Readings and Labs
You are responsible for reading the chapters and completing the lab assignments. The key to become a good developer is to start programming from day one. As such, you will be asked to do a number of lab assignments. These will allow you to apply the concepts covered in a particular chapter. All labs must be completed to pass the course.

Projects
There will be a number of projects assigned during the semester. These are open ended assignments where you can display your knowledge. As with labs, the purpose of the projects is to allow you to apply the concepts covered in a comprehensive project. (Projects details will be given later.) All projects must be completed to pass the course.

Readiness Assessment Tests
There will be short Canvas based RATs. The purpose of the RATs is to motivate you to read the assigned material (chapter readings, additional materials) to reinforce relevant topics. You will be allowed to take a RAT twice and the grade assigned will be the highest score obtained for a RAT.

Exams
Exams comprise 50% of your final grade. The format and the contents of each exam will vary and details about the format will be provided later.

Students with Disabilities
Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) covers issues relating to disability and accommodations. If a student has questions or needs an accommodation in the classroom (all medical information is treated confidentially), contact: Trudy Luken, Student Accessibility Services (SAS) – Corbett Center, Room 244, Phone: 646-6840 Email: sas@nmsu.edu, Website: www.nmsu.edu/~ssd/

NMSU policy prohibits discrimination on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex, sexual orientation, spousal affiliation and protected veterans status. Furthermore, Title IX prohibits sex discrimination to include sexual misconduct, sexual violence, sexual harassment and retaliation. For more information on discrimination issues, Title IX or NMSU’s complaint process contact: Gerard Nevarez or Agustin Diaz, Office of Institutional Equity (OIE) – O’Loughlin House, Phone: 646-3635 Email: equity@nmsu.edu, Website: www.nmsu.edu/~eeo

Scholastic Dishonesty
• Scholastic dishonesty will not be tolerated. The penalty for dishonest behavior can range from receiving a zero for an assignment/exam to censure from the University.
Incomplete Grades:

- Under university policy, incompletes may be given only if a student has a passing grade at mid-semester (the last day to withdraw from a class) and is precluded from successful completion of the second half of the course by a documented illness, documented death, family crisis or other similar circumstances beyond the student's control. An incomplete will not be given to avoid assigning a grade for marginal or failing work.

Withdrawals and drops:

- The deadline for withdrawing from a course in the fall is March 12, 2013. In the case of a withdrawal, the course remains on the student’s transcript and the grade is listed as “W”. Students in the College of Business may withdraw from a class by presenting an add/drop slip to the staff in the Advising Center who will process it, if it is received prior to the deadline.
- You can be administratively withdrawn from the class if you have excessive absenteeism and/or excessive missed assignments.
Point Distribution and Grades:

<table>
<thead>
<tr>
<th></th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams</td>
<td>50%</td>
</tr>
<tr>
<td>Projects</td>
<td>20%</td>
</tr>
<tr>
<td>Readiness Assessment</td>
<td>5%</td>
</tr>
<tr>
<td>Tests</td>
<td></td>
</tr>
<tr>
<td>Labs</td>
<td>25%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

Grades will be assigned as follows:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% through 90%</td>
<td>A</td>
</tr>
<tr>
<td>89% through 80%</td>
<td>B</td>
</tr>
<tr>
<td>79% through 70%</td>
<td>C</td>
</tr>
<tr>
<td>69% through 60%</td>
<td>D</td>
</tr>
<tr>
<td>59% or less</td>
<td>F</td>
</tr>
</tbody>
</table>