

Course	COSC 5020/SC Object-Oriented Programming														
Term	Spring 2, 2008														
Instructor	Eleazar Monroy Office Hours: after class or you may call me to my cell phone.														
Catalog Description	Student will apply principles of Object-oriented programming in the implementation of a major information system project using C++. Students will implement the object-oriented design from COSC 5010.														
Prerequisites	COSC 5010														
Course Level Learning Outcomes	<p>After completing this course, students will:</p> <ul style="list-style-type: none"> • Know and explain the important technical terminology, concepts, principles, techniques, and theories related to Object-Oriented Programming used for computing systems design, and implementation. • Be able to effectively apply important technical concepts, principles, practices, techniques, and theories needed to critically analyze, design and recommend appropriate systems solutions using C++ language. 														
Materials	<p>REQUIRED TEXTS: C++ How to Program, Prentice Hall, H.M. Deitel & P.J. Deitel, 6th edition, Print ISBN: 0-13-615250-3.</p> <p>SUGGESTED SUPPLEMENTAL READINGS: Current event articles pertaining to Object-Oriented Programming languages.</p> <p>UML and the Unified Process, Last Edition, Practical Object-Oriented Analysis and Design. ISBN: 0-321-32127-8</p>														
Grading	<table border="1"> <thead> <tr> <th>COURSE REQUIREMENTS:</th> <th>% OF GRADE</th> </tr> </thead> <tbody> <tr> <td>a. Mid-Term Exam</td> <td>25 %</td> </tr> <tr> <td>b. Final Exam</td> <td>25 %</td> </tr> <tr> <td>c. Weekly Assignments</td> <td>30 %</td> </tr> <tr> <td>d. Research Paper</td> <td>10 %</td> </tr> <tr> <td>e. Attendance and Participation</td> <td>10 %</td> </tr> </tbody> </table>			COURSE REQUIREMENTS:	% OF GRADE	a. Mid-Term Exam	25 %	b. Final Exam	25 %	c. Weekly Assignments	30 %	d. Research Paper	10 %	e. Attendance and Participation	10 %
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Taking the numerical score from the formula above and converting it to the appropriate letter grade from the chart determine the student's letter grading for the course.

Letter Grade	Numerical Score
A	96-100% (4.0)
A-	91-95% (3.67)
B+	87-90% (3.33)
B	82-86% (3.0)
B-	78-81% (2.67)
C	70-77% (2.0)
F	69 & below (0)
I	Incomplete (0)
W	Withdraw

Activities

- Lectures
- Facilitated discussion of assigned homework
- Review current articles of interest
- Term (research) paper
- Midterm and final exams

Policy Statements:

University policies are provided in the current course catalog and course schedules. They are also available on the university website. This class is governed by the university's published policies. The following policies are of particular interest:

University Policies

Academic Honesty

The university is committed to high standards of academic honesty. Students will be held responsible for violations of these standards. Please refer to the university's academic honesty policies for a definition of academic dishonesty and potential disciplinary actions associated with it.

Drops and Withdrawals

Please be aware that, should you choose to drop or withdraw from this course, the date on which you notify the university of your decision will determine the amount of tuition refund you receive. Please refer to the

	<p>university policies on drops and withdrawals (published elsewhere) to find out what the deadlines are for dropping a course with a full refund and for withdrawing from a course with a partial refund.</p> <p>Special Services If you have registered as a student with a documented disability and are entitled to classroom or testing accommodations, please inform the instructor at the beginning of the course of the accommodations you will require in this class so that these can be provided.</p> <p>Disturbances Since every student is entitled to full participation in class without interruption, disruption of class by inconsiderate behavior is not acceptable. Students are expected to treat the instructor and other students with dignity and respect, especially in cases where a diversity of opinion arises. Students who engage in disruptive behavior are subject to disciplinary action, including removal from the course.</p> <p>Student Assignments Retained From time to time, student assignments or projects will be retained by The Department for the purpose of academic assessment. In every case, should the assignment or project be shared outside the academic Department, the student's name and all identifying information about that student will be redacted from the assignment or project.</p> <p>Contact Hours for this Course It is essential that all classes meet for the full instructional time as scheduled. A class cannot be shortened in length. If a class session is cancelled for any reason, it must be rescheduled.</p>
Course Policies	<p>Attendance at all class sessions is expected.</p> <p>Late weekly write-ups and written case assignments will be accepted if prior arrangements have been made with the instructor, but will be given reduced points based upon the number of class sessions it is late.</p>
Week 1 Schedule	<p>PREPARATION FOR CLASS: Read Chapter 2.</p> <p>CLASSROOM DISCUSSION TOPICS: Examining the ATM Requirement Specifications.</p>
Week 2 Schedule	<p>PREPARATION FOR CLASS: Read Chapters 3, 4, and 5.</p> <p>CLASSROOM DISCUSSION TOPICS: Identifying the Classes in the ATM Requirements Specifications and Class Attributes in the ATM System.</p>

Week 3 Schedule	PREPARATION FOR CLASS: Read Chapters 6, 7, 8, 9 and 10. CLASSROOM DISCUSSION TOPICS: Identifying Class Operations, Collaboration Among Objects, and Starting Programming the Classes of the ATM System.
Week 4 Schedule	PREPARATION FOR CLASS: <i>Be prepared to take the Mid-Term Exam covering all material to date.</i> CLASSROOM DISCUSSION TOPICS: Mid-Term Exam.
Week 5 Schedule	PREPARATION FOR CLASS: Read Chapter 11 and 12. CLASSROOM DISCUSSION TOPICS: Current event articles.
Week 6 Schedule	PREPARATION FOR CLASS: Read Chapter 13 (Object-Oriented Programming: Polymorphism) and chapter 14 (Templates). CLASSROOM DISCUSSION TOPICS: Incorporating Inheritance into the ATM System.
Week 7 Schedule	PREPARATION FOR CLASS: Read Chapter 16 and Chapter F. CLASSROOM DISCUSSION TOPICS: ATM Case Study Code.
Week 8 Schedule	PREPARATION FOR CLASS: Read Chapter 22. CLASSROOM DISCUSSION TOPICS: ATM Case Study Code.
Week 9 Schedule	PREPARATION FOR CLASS: <i>Be prepared for comprehensive final examination covering all material to date.</i> CLASSROOM DISCUSSION TOPICS: Final examination.

PURCHASING TEXTBOOKS--Most textbooks can be purchased through **MBS Direct**. Check the syllabus for textbook information. Give MBS Direct the campus location (for the purpose of ordering books the campus is **Space Coast Campus**, course name, number and section number (i.e. Space Coast Campus, COMP5000/64) and most important, the **title, author, edition, and ISBN** of the book you are ordering. MBS Direct will buy back your book at the end of the term should you elect not to retain it as a reference book. Order by phone or online. Orders should be placed no earlier than 4 weeks prior to the start of the term.

MBS Direct: 1-800-325-3252
www.mbsdirect.net/webster
Monday-Thursday 7am-10pm(Central Time)
Friday 7am-6pm (Central Time)
Saturday 8am-5pm (Central Time)
Sunday noon-4pm (Central Time)

MBS Direct Website is

In order to meet the course objectives this syllabus may be modified at the discretion of the instructor without approval of the students.

Original approved by:

Dr. Calvin D. Fowler Academic Dean Space Coast Region, November 19, 2007

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