

# College of Business Administration

Fall 2017

MIS 160-02 Systems Development Life Cycle I

Course Schedule: Tuesday and Thursday– 4:30-5:45 pm, ARC 1013

*Disclaimer: This syllabus and the schedule of readings, assignments, and activities may be changed by the instructor in order to maximize student learning needs and meet the objectives of the courses.*

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## I. Instructor Information

<b>Instructor</b>	Evren Eryilmaz
<b>Office</b>	TAH 2091
<b>Office Hours</b>	Tuesdays and Thursdays 3:00-4:30 pm, and by appointment
<b>Office Phone</b>	916-278-3889
<b>E-mail</b>	evren.eryilmaz@csus.edu

*Email access is essential in communicating with the instructor and your peers. Please activate your CSUS e-mail account and log on to the SacCT course regularly.*

This course is offered in a traditional learning format.

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## II. ACADEMIC LEARNING RESOURCES

Required Text:

Title: Modern Systems Analysis and Design 8<sup>th</sup> Edition  
Authors: Joseph S. Valacich, Joey F. George  
Publisher: Pearson; 8 edition (January 17, 2016)  
ISBN-10: 0134204921  
ISBN-13: 978-0134204925

Optional Text:

Title: Systems Analysis and Design: An Object-Oriented Approach with UML 5th Edition  
Authors: Alan Dennis, Barbara Haley Wixom, David Tegarden  
Publisher: Wiley; 5 edition (March 2, 2015)  
ISBN-10: 1118804678  
ISBN-13: 978-1118804674

## Optional Text:

Title: Software Engineering a Practitioner's Approach 8th Edition  
Authors: Roger S. Pressman, Bruce R. Maxim  
Publisher: McGraw-Hill Education; 8 edition (January 23, 2014)  
ISBN-13: 978-0078022128  
ISBN-10: 0078022126

## Online Resources:

OMG Unified Modeling Language (UML), Object Management Group (OMG),  
<http://www.omg.org/spec/UML/2.5/PDF/> (optional)

OMG Business Process Modeling Notation (BPMN), Object Management Group (OMG),  
<http://www.omg.org/spec/BPMN/2.0/PDF/> (optional)

Bourque, Pierre, and R. E. Fairley. SWEBOK: Guide to the Software Engineering Body of Knowledge. IEEE. Free download at <https://www.computer.org/web/swebok/v3> (optional)

Joint Task Force Transformation Initiative, Security and Privacy Controls for Federal Information Systems and Organizations, National Institute for Standards in Technology (NIST) U.S Department of Commerce, 2016. This publication is available free of charge from: <http://dx.doi.org/10.6028/NIST.SP.800-53r4> (optional)

## Software:

1. Project Management: Microsoft Project 2007 or later
2. UML modeling: Microsoft Visio Professional 2007 or later

How to download the software tools?

The MIS area has subscription to the Microsoft Developer Network (MSDN), which give faculty and students access to several titles of Microsoft software. Most of the software is downloadable, so there is virtually no cost to you.

Please visit the following link to see a partial list of available software.

<http://e5.onthehub.com/WebStore/ProductsByMajorVersionList.aspx?ws=338a9101-bc53-e311-93f7-b8ca3a5db7a1&vsro=8>

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## III. Business Concepts

Keywords: Systems Development Life Cycle, Business Process Modeling, Business Process Management, Process Reengineering, Software Engineering.

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## IV. INSTRUCTIONAL DESIGN

**Course Description:** Analyze, design and develop business information systems to solve information needs of businesses and organizations. Topics include various systems analysis and design techniques, tools and methods for building new and/or integrated information systems. Both oral and written reports are required. CASE methodology will be used. Note: The project will be continued in MIS 161; therefore, taking MIS 160 and MIS 161 in consecutive semesters is highly recommended.

**Prerequisites:** MIS 101, MGMT 102

**Course Learning Goals and Objectives:**

1. Think and work as a professional consultant
2. Become a dependable team player and a leader
3. Learn to learn
4. Prepare yourself for the "real world"
5. Develop systems development skills
6. Synthesize skills and knowledge from other classes into an innovative technology solution

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**V. CBA Program-Level Learning GOALS**

**Goal 1 Fundamental Business Knowledge**

Competence based on fundamental business knowledge.

- 1.1 Demonstrate understanding of fundamental business theories, concepts, and skills.
- 1.2 Ability to analyze business information in performing business related tasks.

**Goal 2 Integrative Business Competence**

Business competence integrated with other business knowledge areas and ethical responsibility.

- 2.1 Ability to identify factors contributing to a managerial problem from a variety of business perspectives.
- 2.2 Enumerate the costs and benefits that potential solutions will have on the interdependent stakeholders of a firm.

**Goal 3 Effective Business Communication**

Business communication utilizing contemporary and classic communication techniques and methods.

- 3.1 Convey information in a variety of business settings.

3.2 Evaluate the efficacy of business communications.

#### **Goal 4 Applied Business Capability**

Ability to translate knowledge of business and management into practice.

4.1 Create effective business solutions that are both ethically sound and socially responsible.

4.2 Generate innovative and effective solutions for problem solving and decision making.

#### **VI. Program and Course Level Assessment of learning**

<b>Program Learning Goals</b>	<b>Student Learning Outcomes</b>	<b>Assessment Strategy</b>	<b>Direct Assessment Measure</b>
1,2,3	Fundamental business knowledge, integrative business competence, effective business communication	Homeworks, quizzes and final exam	Scoring guide
4	Applied business capability	Project	Systems Development Project

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#### **VII. Grading Criteria, Guidelines, and Assignments**

##### **Systems Development Project**

A Sacramento-area client has hired your project team to develop a web based Information System which will automate one or more business functions. You will conduct all activities and prepare all deliverable products associated with the development process. At the conclusion of your study, you will prepare a comprehensive, high-quality project report containing your results. You will also design and program a working prototype model of your system using the programming language of your choice.

**Course Grading:** I will give a short quiz at the end of each chapter in the textbook and a final exam. Examination material will be drawn from the textbook reading, in-class hands-on activities, any other assigned readings, and class lectures and discussion. Emphasis will be placed on the conceptual understanding of the material and NOT on memory alone. Understanding the application of the concepts will greatly enhance your grade.

No make-up examination will be given without the prior approval of the instructor. If you fail to take the exam, without valid documentation, I will prepare a different exam which you will take at 75% of its grade value.

Final grades will be assigned according to the total points you have obtained through exams and group homework assignments relative to the total possible number of points.

Assignment	Points
System Development Project	200
Quizzes	100
Homeworks	100
Final Exam	100
<b>Total Points</b>	<b>500</b>

Your grade is also affected by the number of unexcused absences. You are allowed to have 3 unexcused absences. For each absence after your allowance, 10 points will be deducted. Note that absences are only excused for a valid reasons (health problems, jury duty etc.) and **MUST** be accompanied with documentation (i.e., health center note with a phone number to call for questions) provided within a week of returning to class.

Based on the total points, your grades will be assigned as follows:

Percent	Grade
90-100	A: (90-92.9%: A-; above 93%: A)
80-89	B: (80-82.9%: B-; 83-86.9%: B; 87~89.9%: B+)
70-79	C: (70-72.9%: C-; 73-76.9%: C; 77~79.9%: C+)
60-69	D: (60-62.9%: D-; 63-66.9%: D; 67~69.9%: D+)
0-59	F

The instructor reserves the right to modify the course grading scheme. Final grade can be changed only if a posting error has occurred per University policy.

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**VIII. WEEKLY OUTLINE:** *The schedule of readings, assignments, and activities may be changed by the instructor in order to maximize student learning needs and meet the objectives of the course.*

**IX. COURSE TIME COMMITMENT**

Contact Hours and Assignments	Contact Hours
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Face-to-face Lectures & Online Meetings		45 hours (3 unit course)
Out of Class	Homework Assignments	6-9 hours per week
	Reading Assignments	
	Group Project & Presentation	
	Exams	
Total Hours per Week	9-12 hours /week	

**X. SACRAMENTO STATE ACADEMIC HONESTY POLICY AND REGULATIONS** excerpt “Definitions of Academic Dishonesty” <http://www.csus.edu/umannual/student/STU-0100.htm>

**Attendance policy.** You are allowed to have 3 unexcused absences. For each absence after your allowance, 10 points will be deducted. Note that absences are only excused for a valid reasons (health problems, jury duty etc.) and **MUST** be accompanied with documentation (i.e., health center note with a phone number to call for questions) provided within a week of returning to class.

**Cheating.** At Sacramento State, cheating is the act of obtaining or attempting to obtain credit for academic work through the use of any dishonest, deceptive, or fraudulent means. Cheating at Sacramento State includes but is not limited to:

- Copying, in part or in whole, from another’s test or other evaluation instrument.
- Using crib notes, "cheat sheets," or any other device, including electronic devices not permitted by the instructor as an aid in writing an examination.
- Submitting work previously graded in another course unless doing so has been approved by the course instructor or by department policy.
- Submitting work simultaneously presented in more than one course, unless doing so has been approved by the respective course instructors or by the department policies of the respective departments.
- Altering or interfering with grading or grading instructions.
- Sitting for an examination by a surrogate, or as a surrogate.
- Any other act committed by a student in the course of his or her academic work that defrauds or misrepresents, including aiding or abetting in any of the actions defined above.

**Plagiarism.** Plagiarism, as a form of cheating, is the use of distinctive ideas or works belonging to another person without providing adequate acknowledgement of that person’s contribution.

Regardless of the means of appropriation, incorporation of another's work into one's own requires adequate identification and acknowledgement. Plagiarism is doubly unethical because it deprives the author of rightful credit and gives credit to someone who has not earned it. Acknowledgement is not necessary when the material used is common knowledge. Plagiarism at Sacramento State includes but is not limited to:

- The act of incorporating into one's own work the ideas, words, sentences, paragraphs, or parts thereof, or the specific substance of another's work without giving appropriate credit thereby representing the product as entirely one's own. Examples include not only word-for-word copying, but also the "mosaic" (i.e., interspersing a few of one's own words while, in essence, copying another's work), the paraphrase (i.e., rewriting another's work while still using the other's fundamental idea or theory); fabrication (i.e., inventing or counterfeiting sources), ghost-writing (i.e., submitting another's work as one's own) and failure to include quotation marks on material that is otherwise acknowledged; and
- Representing as one's own another's artistic or scholarly works such as musical compositions, computer programs, photographs, paintings, drawing, sculptures, or similar works.

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## **XI. ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES**

**Services to Students with Disabilities (SSWD)** <http://www.csus.edu/sswd/> offers a wide range of support services and accommodations for students in order to ensure students with disabilities have equal access and opportunity to pursue their educational goals.

Services and accommodations are provided to students with visual, hearing, mobility impairments, specific learning disabilities, psychiatric disorders, and/or other types of disabilities. Students must submit medical or professional documentation prior to meeting with a counselor for a needs assessment and accommodation plan.

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## **XII. STUDENT RESOURCES**

1. CBA Tutoring Center – TAH 3067. Contact the Office of Student Engagement (TAH 1040) for tutoring schedules.
2. University Reading and Writing Center (URWC) - provides encouraging, focused, and non-judgmental one-to-one tutorials in reading and writing for any undergraduate or graduate student at CSUS. <http://www.csus.edu/writingcenter/>
3. The Peer and Academic Resource Center (PARC) - major services include Supplemental Instruction; Supplemental Instruction Plus, Workshops & Individual Tutorials; and Peer Led Advising for college Experiences. <http://www.csus.edu/parc/>

## **XIII. OTHER INFORMATION**

**Late and Make-up Policy:** The general policy for this course is to require completion of assignments as specified in the class schedule. All assignments are due at the beginning of the class period. If the assignment is submitted after the beginning of the class, there will be a 5% deduction. If the assignment is submitted on the same day, but after class, there will be a 10%

penalty. If the assignment is submitted within a week, there will be a 20% penalty. No late assignments will be accepted after 1 week. All assignments should be printed and stapled together with the cover letter statement (click for sample) on the top. If you have an emergency or other extenuating circumstances that will affect your ability to turn in an assignment or complete an exam, please contact me as soon as possible to discuss.

**Incomplete:** An incomplete grade (I) will only be issued in accordance to College of Business Administration policy. Among the conditions imposed by the instructor that must be met are: (1) a current passing grade (70 percent or better), (2) the successful completion of all prior assignments and exams, and (3) an unforeseen and unusual event beyond your control which prevents you from completing the semester, and can be documented and verified (employment-related events do not qualify). (4) An incomplete will only be considered after it has been determined that a withdrawal (W) cannot be issued. If you do not meet (1) through (4), you do not qualify for an incomplete. As stipulated by the University, an incomplete cannot be assigned when it is necessary for the student to attend additional class meetings to complete the course requirements.

**Unauthorized Withdrawal (WU)** indicates that a student did not officially withdraw from the course but failed to complete it. Among the conditions imposed by the instructor that must be met are: (1) a passing grade (70 percent or better) at the time that the student stopped attending classes, (2) attendance stopped before the 11th week of the semester. If you do not meet (1) and (2), you do not qualify for an unauthorized withdrawal (WU) grade and as a result you will be assigned a failing (F) grade.

**Laptop and cell phone regulation:** No photographing, recording or text messaging is allowed without permission of the instructor.

A disruptive student is a student who engages in classroom behavior that interferes with the process of teaching and learning. If a student is disruptive to my class, I will follow the Procedures for dealing with incidents of disruptive behavior described in the DEALING WITH INCIDENTS OF DISRUPTIVE STUDENT BEHAVIOR IN THE CLASSROOM document <http://www.csus.edu/umannual/student/STU-0112.htm>.

SCHEDULE (Subject to Change)

Date	Topic	Assignment/Quiz	Resources
8/29	Introductions and Chapter 1		
8/31	Chapter 1	Chapter 1 Homework	
9/5	Chapter 2	Chapter 1 Quiz	
9/7	Chapter 2	Chapter 2 Homework	
9/12	Chapter 3	Chapter 2 Quiz	
9/14	Chapter 3	Chapter 3 Homework	



9/19	Chapter 4	Chapter 3 Quiz	
9/21	Chapter 4	Chapter 4 Homework	
9/26	Chapter 5	Chapter 4 Quiz	
9/28	Chapter 5		
10/3	Team Presentations		
10/5	Team Presentations		
10/10	Chapter 5		
10/12	Chapter 5	Chapter 5 Homework	
10/17	Chapter 6	Chapter 5 Quiz	
10/19	Chapter 6		
10/24	Chapter 6	Chapter 6 Homework	
10/26	Chapter 7	Chapter 6 Quiz	
10/31	Chapter 7		
11/2	Chapter 7		
11/7	Chapter 7		
11/9	Chapter 7	Chapter 7 Homework	
11/14	Team Presentations		
11/16	Team Presentations		
11/21	Chapter 8	Chapter 7 Quiz	
11/28	Chapter 8		
11/30	Chapter 8	Chapter 8 Homework	
12/5	Team Presentations	Chapter 8 Quiz	
12/7	Team Presentations		