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BMIS 373.01: Business System Analysis and Design

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Recommended Citation

Toomey, Laurie L., "BMIS 373.01: Business System Analysis and Design" (2015). *University of Montana Course Syllabi*. 3813.

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BMIS 373 – SYSTEMS ANALYSIS AND DESIGN

The University of Montana, School of Business Administration

COURSE DESCRIPTION

Term / Credits	FALL 2015, 3 credits	
Meets	TUES/THURS 9:40 – 11:00 in GBB 201	
Instructor	Laurie Toomey, Adjunct Instructor	
Office	GBB 389	
Contact	Phone: 243-6768 (email is best!)	E-mail: laurie.toomey@business.umt.edu
Office Hours	WED 12:30– 1:30 or by appointment	
Website	UM's Moodle website	moodle.umt.edu

COURSE DESCRIPTION

The focus of this course is the study of systems, and the principles of systems analysis and design. This course introduces you to organizational systems analysis and design, and presents ideas that provide powerful insights about a large spectrum of analysis and design issues. This course aims to give you a feeling for the problems and techniques of systems analysis and design, and the application of such techniques to real life business analysis problems.

COURSE OBJECTIVES

Upon completion of this course, a student will be able to:

- The foundations for systems development including its environment, origins of software, and managing the information systems project.
- The **planning** phase identifying, selecting, and planning systems development projects.
- The **analysis** phase of determining system requirements, structuring system process requirements, and building system data requirements.
- The **design** phase of structuring the databases, forms and reports, interfaces and dialogues, and distributed and internet systems.
- The **implementation** and maintenance of systems.
- Key diagrams and techniques for systems analysis and design
- Basic programming of a system using an object oriented programming application
- Application of techniques for object oriented system analysis and design.

TEXTBOOK AND CONTENT RESOURCES:

We will be using a free book for this course plus some PDFs or other external resources which are all posted on Moodle.

GRADING

Moodle will be used to post grades. POP QUIZZES MAY BE ADDED (SEE ELECTRONIC DEVICES SECTION). The course grade is on a +/- system as shown below.

A+ 100-97%	A 96.99-93%	A- 92.99-90%
B+ 89.99-87%	B 86.99-83%	B- 82.99-80%
C+ 79.99-77%	C 76.99-73%	C- 72.99-70%
D+ 69.99-67%	D 66.99-63%	D- 62.99-60%
	F Below 60%	

Qty	Type	Each	Total
3	Exams (with one make-up replacing lowest so actually 4 exams scheduled)	100	300
10	Participation Points (to be done before and during class)	10	100
5	Lab Assignments	10	50
1	GROUP PROJECT	150	150
		TOTAL	600

COURSE WORK

EXAMS

There will be multiple-choice/short answer/short problem exams throughout the semester. **A MAKE-UP EXAM WILL BE GIVEN DURING FINALS WEEK!**

- Exams will cover material for the labs, graded and ungraded assignments, reading materials and lectures (on video and in-class).
- If you miss an exam or do very poorly on a test, you have an opportunity to improve by taking a comprehensive make-up exam at the end of the semester. You can only retake (or make-up) one exam.
- Exams will usually contain about 60 questions. You will have the entire period to take the exam.

PARTICIPATION

Students will need to complete on Moodle some reflection-based questions based on readings which must be done by 8 pm the night before it is due. During class, I will distribute answers and students will discuss these in a group and then as a class. Each group will sign their name on the sheet. You get 4 points for submitting the points in Moodle and 6 points for participating in the discussion. You must be in class to participate but there will be 11 chances to participate and the lowest participation is dropped. This means you can miss a class and still get 100% in participation.

PROJECT

Students will be designing a small mobile application within a group. We will be using elements from agile methodology so each team member will have ownership of specific functionality. The project is set up so as much as possible will be done independently. More information on the project later in the semester.

GRADUATE CREDIT – ADDITIONAL REQUIREMENTS

Students taking this course for graduate credit must complete an additional project which will be determined after meeting with the instructor.

ACADEMIC INTEGRITY

It is your duty to abide by the University's academic policies, and it is the instructor's duty to enforce those policies. Cheating of any sort will not be tolerated. Cheating, failure to follow instructions, and/or failure to follow course policies may result in a reduced grade or a failing grade at the instructor's option.

The following message about academic integrity comes from the Provost's office: *"All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. The University of Montana Student Conduct Code specifies definitions and adjudication processes for academic misconduct and states, "Students at the University of Montana are expected to practice academic honesty at all times." (Section V.A., available at http://www.umt.edu/vpsa/policies/student_conduct.php). All students need to be familiar with the Student Conduct Code. It is the student's responsibility to be familiar the Student Conduct Code.*

In addition, the School of Business has a Code of Professional Conduct at <http://business.umt.edu/ethics>.

DISABILITY ACCOMMODATIONS

Students with disabilities may request reasonable modifications by contacting me. The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students (DSS). "Reasonable" means the University permits no fundamental alterations of academic standards or retroactive modifications. For more information, please consult <http://www.umt.edu/dss>.

MISSION STATEMENTS AND ASSURANCE OF LEARNING

The University of Montana's School of Business Administration enhances lives and benefits society by providing a world-class business education in a supportive, collegial environment.

We accomplish this mission by acting on our shared core values of creating significant experiences, building relationships, teaching and researching relevant topics, behaving ethically, and inspiring individuals to thrive.

As part of our assessment process and assurance-of-learning standards, the School of Business Administration has adopted the following learning goals for our undergraduate students:

- Learning Goal 1: SoBA graduates will possess fundamental business knowledge.
- Learning Goal 2: SoBA graduates will be able to integrate business knowledge.
- Learning Goal 3: SoBA graduates will be effective communicators.
- Learning Goal 4: SoBA graduates will possess problem solving skills.
- Learning Goal 5: SoBA graduates will have an ethical awareness.
- Learning Goal 6: SoBA graduates will be proficient users of technology.
- Learning Goal 7: SoBA graduates will understand the global business environment in which they operate.

ELECTRONIC DEVICES

Cell phones and other electronic devices should be turned off and put away. **If I see any electronic devices in use, I will give a pop quiz for the entire class.** This will increase the total points possible for the class.