



**Minot State University**

**BUSINESS INFORMATION TECHNOLOGY DEPARTMENT**

Course Outline

COURSE: **System Analysis (BIT 453)**

COURSE CREDIT: 3.0 Credit Hours

INSTRUCTOR: Mehdi S. Tehrani (PhD)

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ADDRESS: College of Business, 500 University Ave W, Minot, ND 58707

OFFICE LOCATION: Old Main, 301F

CLASS SCHEDULE: 08/21/2007- 12/07/2007

CLASS LOCATION: Old-Main, Room-M402- Time:11:00-11:50

DUE DATE: Aug 20th 2007- Dec 10th 2007

REQUIRED TEXTBOOK:

**Title:** Systems Analysis & Design in a Changing World

Author - J.Satzinger, R. Jackson, S.Burd

Year - 2007, 4th Edition

Publisher –Course Technology-Thomson

ISBN - 1-41883612-5

**COURSE DESCRIPTION:**

Information Systems Analysis discusses the tools, techniques, and methodologies required to successfully create the conceptual design for an information system. More specifically, we will discuss:

1. what it takes to be a systems analyst,
2. how to manage the information systems project,
3. what methods, tools, and techniques are used to analyze the system request,
4. how a systems development life cycle guides the analysis process,
5. how to determine the system requirements and create a feasibility report,
6. how to model the existing and new system, and
7. how to select the best alternative design strategy.

**COURSE OBJECTIVES**

Any student who completes BIT 453 should be able to

1. participate as an effective member of a SAD team,
2. use MS Project to plan and manage an information systems development project,
3. use MS Team Services to collaborate in a virtual environment,
4. use business documents (mission, goals, and objectives) to evaluate the system service request,
5. create a statement of work in response to the system service request,
6. create appropriate techniques to determine the system requirements and analyze the business processes,
7. determine appropriate alternatives and guidelines to evaluate and compare when preparing a feasibility study,
8. create a baseline project plan detailing the project, feasibility assessment, and management issues,
9. use a CASE tool to develop the process and data model, and
10. present findings in a professional manner to the client.

**LEARNING OBJECTIVES:**

Chapter 1. The world of the information systems analyst

2. Approaches to system development
3. The analyst as a project manager
4. Beginning the analysis: Investigating system requirements
5. Modeling system requirements
6. The traditional approach to requirements
7. The object-oriented approach to requirements

8. Evaluating alternatives for requirements, environment, and implementation
9. Moving to design
10. The traditional approach to design
11. The object oriented approach to design use case realization
12. Designing database
13. Designing user interface
14. Designing system interfaces
15. Making the system operational
16. Current trends in system development

**LECTURE AND QUIZZES SCHEDULE:**

Quizzes format will be **multiple choices**. If other formats (true/false or essay type) are used, students will be informed accordingly.

<b><u>Chapter 1:</u></b>	Week 1,
<b><u>Chapter 2:</u></b>	Week 2,
<b><u>Chapter 3:</u></b>	Week 3
<b><u>Chapter 4:</u></b>	Week 4,
<b><u>Chapter 5:</u></b>	Week 5,
<b><u>Chapter 6:</u></b>	Week 6.
<b><u>Chapter 7:</u></b>	Week 7,
<b><u>Chapter 8:</u></b>	Week 8,
<b><u>Chapter 9:</u></b>	Week 9,
<b><u>Chapter 10:</u></b>	Week 10,
<b><u>Chapter 11:</u></b>	Week 11,
<b><u>Chapter 12:</u></b>	Week 12,
<b><u>Chapter 13:</u></b>	Week 13,
<b><u>Chapter 14:</u></b>	Week 14,
<b><u>Chapter 15:</u></b>	Week 15,
<b><u>Chapter 16:</u></b>	Week 16,

Quiz and group projects date will be announced after completing each chapter.

## **QUIZZES AND EXAMS MATERIAL:**

Questions in quizzes are in MC format and are from the course material (the book). Every chapter you will be given a quiz with 25 questions. The majority of questions in Mid-Term exams are from the quizzes. This is true for final exam as well, i.e., the majority of questions in final exams are from quizzes covering the remaining chapters.

## **LATE PENALTIES:**

1. Late written or software assignments will not be accepted.
2. THERE WILL BE NO MAKEUP QUIZZES OR FINAL EXAMINATION.

## **GRADING POLICY:**

Total Points 100%:

Chapter quiz 25%

Chapter Case-group 25%

Mid-term Exam 25% - **Friday Oct 12<sup>th</sup> 2007**

Final Exam 25% - **Wed Dec 12<sup>th</sup> -10:00am-11:50am**

## **Range GRADE**

90+ % A

80+ % B

70+ % C

<60 % F

## **LATE PENALTIES:**

1. Late written or project assignments will not be accepted.
- 2- No make up for quizzes and final exam.

## **Academic Honesty:**

The college experience is founded on the concepts of honesty and integrity. Dishonesty, cheating, plagiarism, or knowingly furnishing false information to the college are regarded as particularly serious offenses. Cases of dishonesty will be handled by levying certain penalties. However, in flagrant cases, the penalty may be dismissal from the college after proper due process proceedings.

**Special Accommodations:**

In coordination with the Disability Support Service, reasonable accommodations will be provided for qualified students with disabilities (LD, Orthopedic, Hearing, Visual, Speech, Psychological, ADD/ADHD, Health Related & Other). Please meet with the instructor during the first week of class to make arrangements. Accommodations and alternative format print materials (large print, audio, disk or Braille) are available through the Disability Support Service, located in the basement of Lura Manor, phone number 701-858-3371 or [evelyn.klimpel@minotstateu.edu](mailto:evelyn.klimpel@minotstateu.edu).

Minot State University does not discriminate on the basis of sex, religion, creed, national origin, race, age, disability, or any other basis prohibited by law. If you believe you have been discriminated against unlawfully, please bring this matter to the attention of your instructor or the MSU's Human Resource Office at 701-858-3352.

**GOOD LUCK!**