

**University of Indianapolis**  
**School of Business**  
**Course Syllabus**

---

**Course Information**

<b>Course Number and Title</b>	MBA611 SDLC
<b>Session and Year</b>	Summer 2009
<b>Section</b>	01
<b>Instructor</b>	Dr. Darrell Bowman
<b>Day Phone</b>	788-3396
<b>Email</b>	dbowman@uindy.edu
<b>Textbook</b>	Systems Analysis and Design, Dennis, Wixom, Roth

**Course Description**

Organizations can anticipate and respond to problems through innovative uses of information technology. By learning to conduct an audit of a business process, benefits can result from adding value during the process of creating, producing, or supporting a product or service. The analysis and design of an information system is based on one's understanding of the organization's objectives, structure, and processes as well as one's knowledge of how to exploit information technology for advantage.

**Course Objectives**

This course provides an introduction to analyzing various types of systems with the emphasis on managing and implementing information systems.

- In addition to discussing the details that make up the system analysis process, the class will also look at the “big picture” and discuss the business implications of the system analysis process as well as covering the implications of decisions made in the system analysis process.
- There are four major aspects to this course:
- The first aspect is Planning: determining what systems to pursue and developing the business justifications for the system. This includes problem identification, feasibility analysis and scope.
- The second aspect is Analysis: learning how to gather the information required to develop the new system. This includes questionnaire, interviews, document analysis, as well as documenting the gathered information into standard formats used in system analysis such as Entity Relationship Diagrams and Data Flow Diagrams.
- The third aspect is Design: deciding how the system will operate. This collection of deliverables is the system specification that is handed to the program team for implementation.
- The fourth aspect is Implementation: during this phase, the system is actually built, or purchased and modified.

**Academic Integrity**

Please refer to the Student Handbook

## Required Materials

None

*The professor reserves the right to modify the syllabus as required.*

## Course Requirements

## Grading

Chapter 2	Minicase 1 page 57	10
Chapter 3	Minicase 1 page 97	10
Chapter 5	Minicase 1 page 169	10
Chapter 6 – Use cases	Minicase 1 page 200	10
Chapter 6 – Context Diagram	Minicase 1 page 200	10
Chapter 6 – DFD fragment for 1 case	Minicase 1 page 200	20
Chapter 6 – DFD level 1 for 1 case	Minicase 1 page 200	20
Chapter 8 - RFP	Exercise D page 271	100
Chapter 10	Minicase 1 a, b page 353	10
Quiz 1	Chapters 1 - 5	50
Quiz 2	Chapters 4 - 6	50
Mid-term		100
Participation		100
Final		100
	<b>TOTAL</b>	<b>600</b>

- A 90-100%
- B 80-89%
- C 70-79%
- D 65-69%
- F 0-64%

Pluses and minuses are assigned at the instructors discretion.

## Participation

Participation criteria is classroom discussion participation, attendance, timely submission of assignments, following instructions and initiative in class.

All assignments are due before class.

### Schedule

#### **Week 1 May 11**

Chapter 1, 2

APA format

Blackboard

Minicase 1 page 57 due May 18

#### **Week 2 May 18**

Chapter 3

Minicase 1 page 97 due June 1

#### **Week 3 May 25**

No Class session

#### **Week 4 June 1**

Chapter 4

Minicase 1 page 169 due June 8

Writing an RFP

Quiz 1 Chapters 1 – 5 (June 2 – June 8 @ 5:30pm)

**Week 5 June 8**

Chapter 5

**Week 6 June 15**

Chapter 6

Use cases

Minicase 1 page 200 use cases, context diagram, DFD fragment, DFD level 1 due June 22

**Week 7 June 22**

Chapter 7

Midterm Exam - Chapters 1 -7 in class/lab

**Week 8 June 29**

Chapter 8

Assign RFP due July 20

**Week 10 July 6**

Chapter 9, 10

**Week 11 July 13**

Chapter 11 - 12

Quiz 2 chapters 8 – 12 (July 14 – July 20 @ 5:30pm)

**Week 12 July 20**

Chapter 13, 14

**Week 13 July 27**

Chapter 15

Final Exam comprehensive – in class/lab