MIDSTATE COLLEGE
411 W NORTHMOOR RD
PEORIA, IL 61614
(309) 692-4092 or (800) 251-4299
Summer 2010

Course Number & Name: CIS 302 Systems Analysis and Design

Quarter Hours: 4 quarter hours

Method of Delivery: Classroom

Course Description: Methodology of building a complete computer based information system including techniques and tools of system specification and development. Students will complete a real-world case study to gain practical experience in using the Systems Development Life Cycle (SDLC) to build the system.

Prerequisite: CIS 202 Systems Analysis and Design

Text(s) & Manual(s): Systems Analysis and Design in a Changing World (Fifth Edition), Thomson Course Technology, 2009

Author(s): John W. Satzinger, Robert B. Jackson, Stephen D. Burd
Publisher: Course Technology Incorporated, 2007 1-4239-0228-9

Materials needed for this course:
Additional Supplies: None

Topics: Strategic systems plan, SDLC, Implementation and Support, Review of Object-Oriented approach.

Learning Objectives: Upon completion of this course, the student will be able to:
1. Explain the key role of a systems analyst in business.
2. Describe the various types of systems on which an analyst might work.
3. Sharpen the technical, people, and business skills of the analyst.
4. Explain why ethical behavior is crucial for a systems analyst's career.
5. Recognize the many types of technology an analyst needs to understand.
6. List various job titles in the field and places of employment where analysis and design work is done.
7. Discuss the analyst's role in strategic planning for an organization.
8. Implement the analyst's role in a system development project.

Grading Scale:

90 – 100%	A
80 – 89%	B
70 – 79%	C
60 – 69%	D
0 – 59%	F

Midstate Plagiarism Policy:

Plagiarism is using another person's words without giving credit to the author. Original speeches, publications, and artistic creations are sources for research. If students use the author's words in a paper or assignment, they must acknowledge the source. Plagiarism is strictly against the academic policy of the college and is grounds for failing the course. If repeated, plagiarism may result in suspension from the college. (See the Midstate College catalog and/or Student Handbook for additional information.)

In courses containing writing assignments, the college promotes the use of an electronic resource which compares the student's writing against previously submitted papers, journals, periodicals, books, and web pages. Students and instructors can use this service to reduce the incidence of plagiarism. This electronic resource has been found to conform to legal requirements for fair use and student confidentiality. It is able to provide a report to the student indicating the parts of the assignment that match.

Instructor: Craig Cooper M.S. **Email:** ccooper@midstate.edu

Office hours: By Appointment

Participation requirement/policies and procedures/requirements to pass the course:

1) Assignments/Quizzes: All homework should be submitted to me via email. All homework is to be turned in with your name, date, and the name of the assignment at top. Normally, we will have a quiz every other class.
2) Attendance: Regular attendance is expected. It is the student's responsibility to notify the instructor when a class will be missed. If you know of a conflict ahead of time, you are welcome to submit projects early. If the instructor receives no call or email before the missed class period you will be considered missing and no make-up is allowed for that day.
3) Academic Dishonesty: Plagiarism and cheating are serious offenses and may be punished by failure on exam, paper or project; failure in course; and/or expulsion from the college. For more information refer to the "Academic Dishonesty" policy in the student handbook.
4) Grades: It is the students' responsibility to keep copies of all assignments turned in for a letter grade until the end of the quarter when a final grade has been earned. If a document is lost and no copy is available, the student will not receive credit.

Assessment of learning/methods of evaluating student performance:

Lab work assignments will be used to measure the students' ability to apply concepts learned from lecture in a hands-on way.

Grading specifications:

These percentages are all approximate values

Attendance/participation	10%
Assignments/Homework	40%
Quizzes/Exams	50%

Examination information:

The quizzes and exams will be a combination of fill-in the blank, true/false, multiple-choice questions, and a hands-on practicum.

TENTATIVE COURSE SCHEDULE

Week	Dates	Chapter	Topic	Assignment Due
1	5/19/2010	1	The World of the Information Systems Analyst	
2	5/26/2010	2	Approaches to System Development	
3	6/2/2010	3	The Analyst as a Project Manager	
4	6/9/2010	4	Investigating System Requirements	
5	6/16/2010	5	Modeling System Requirements	
6	6/23/2010		**Mid-Term EXAM (Ch1 - 5)**	
7	6/30/2010	7	The Object-Oriented Approach to Requirements	
8	7/7/2010	8	Evaluating Alternatives for Requirements, Environment, and Implementation	
9	7/14/2010	9	Elements of Systems Design	
10	7/21/2010	16	Making the System Operational	
11	7/28/2010	16	Current Trends in System Development **Review**	
12	8/4/2010	**Final Exam(Comprehensive)**		