Course: CS250-1 Systems Analysis and Design  
Semester: Fall 2012  
Time: 10:00 MWF  
Credit Hours: 3  
Location: SC011

Instructor: Assoc. Professor Clause  
E-mail: clauses@moval.edu  
Office phone: (660)831-4225  
Office: SC015  
Office hours: 8:00 – 3:00 M-F

COURSE DESCRIPTION  
This course is an overview of the systems development life cycle. Emphasis on current systems documentation through the use of both classical and structured tools and techniques for describing data flow, data structures, file design, input and output designs and program specifications. Discussion of the informative gathering and reporting activities utilized in the transition from analysis to design.

Prerequisites: CS110, CS120, MA165

STUDENT LEARNING OUTCOMES  
1. Describe the phases of the systems development life cycle  
2. Discuss the responsibilities of the system analysis  
3. Describe the objects of the preliminary investigation  
4. Discuss the steps to be undertaken in completing the preliminary investigation.  
5. Determine the system requirements.  
6. Design System inputs and outputs.  
7. Discuss the development and implementation of the system.

ASSESSMENT OF STUDENT LEARNING OUTCOMES  
An examination will be given at the completion of three chapters of material in the text and the student will be assessed regarding their knowledge the steps of program development discussed in the material. The student will also be assigned three papers taking the form of a Problem Analysis where they will examine and discuss a problem utilizing the techniques that have been discussed.

REQUIRED TEXT/S  
Systems Analysis and Design 5th Edition  
Alan Dennis, Barbara Wixom, Roberta Roth  
John Wiley and Sons 2012  
GRADING POLICY AND PROCEDURES

Grade Components:
- 3 Problem Analysis 300
- 5 Exams including Final 600
Total Points 900

Grading Scale: 90% - A, 80% - B, 70% - C, 60% - D, Below 60% - F

Problem Analysis will be evaluated for completeness and grammatical correctness.

***** No Late work will be accepted and no missed test can be made up. If you are aware you will be missing class on the day a test is given or when an assignment is due you need to make arrangements prior to the test/due date.

TENTATIVE SCHEDULE

Part I
08/20/2012 Review Syllabi
Ch 1 Systems Analysis and Information Pages 5 – 44
Systems Development

08/27/2012 Ch 2 Project Selection And Management Pages 45 – 98

09/03/2012 Exam I Chapter 1 & 2

Part II
09/05/2012 Review Exam I
Ch 3 Requirements Determination Pages 101 – 146

09/12/2012 Ch 4 Use Case Analysis
Problem Analysis Assigned Pages 147 – 182

09/19/2012 Exam II Chapter 3 & 4
Problem Analysis Due

09/21/2012 Review Exam II
Ch 5 Process Modeling Pages 183 – 222

09/28/2012 Ch 6 Determining Systems Requirements
Problem Analysis Part II Pages 223 – 256
10/05/2012  Exam III Chapter 5 & 6  
Problem Analysis Part II Due

**Part III**

10/08/2012  Review Exam III  
Ch 7 Moving Into Design  
Pages 259 – 280

10/15/2012  Ch 8 Architecture Design  
Problem Analysis Part III Assigned

10/24/2012  Exam IV Chapter 7 & 8  
Problem Analysis Part III Due

10/26/2012  Review Exam IV  
Ch 9 User Interface Design  
Pages 313 – 344

11/01/2012  Ch 10 Program Design  
Pages 345 – 404

11/09/2012  Exam V Chapter 9 & 10

11/16/2012  Review Exam V  
Ch 11 Data Storage Design  
Problem Analysis Part IV Assigned  
Pages 405 – 442

**Part IV**

11/26/2012  Ch 12 Moving Into Implementation  
Ch 13 transition to The New System  
Pages 445 – 470  
Pages 471 - 502

**FINAL EXAM**

12/07/2012  10:00am Chapter 11 through 13

**OPTIONAL INSTRUCTOR POLICIES**

**Instructors Attendance Policy:** Any Student that misses 5 classes will have his/her grade dropped 1 letter grade, A student missing 10 classes will receive a failing grade for the course

**STUDENT CODE OF CONDUCT**

It shall be the responsibility of every student enrolled at Missouri Valley College to support the academic integrity of the institution. This applies to personal honesty in all aspects of collegiate work, all student records, and all contacts with faculty and staff. Academic dishonesty will not be tolerated. It shall also be the responsibility of every student enrolled at Missouri Valley College to be respectful of the right of other students, staff, and instructors to ensure a safe, peaceful atmosphere conducive to the educational goals of an institution of higher learning. Rude or disruptive behavior will not be tolerated.

Student actions that do not adhere to the MVC Student Code of Conduct will be addressed according to College policies regarding academic dishonesty and disruptive behavior. Students who exhibit dishonest, disruptive, or disrespectful behavior risk suspension or expulsion from the institution.
ACADEMIC DISHONESTY
Academic integrity is expected and required of all students. Students and faculty are responsible and accountable for personally upholding that integrity. Cheating will not be tolerated, and students found guilty of cheating in any way will be disciplined according to the Academic Dishonesty Policy in the MVC College Catalog. The following penalties may be applied:

1. Reprimand.
2. Requirement that the student repeats and re-submits the same or alternate assignment. In such cases, the grade or mark awarded will be reduced or limited at the discretion of the faculty member.
3. Completion of the Plagiarism Tutorial found at the student’s Moodle site. (Must be completed if this is the student’s first plagiarism offense)
4. A mark of "0" will be given for the assignment with no opportunity to resubmit. This may result in failure of the course.
5. A failing (F) grade will be awarded in the course.
6. Automatic failing (F) grades in all courses in which the student is registered, and no fees will be refunded for that semester. This penalty will only be imposed by the student's program division chair or the Chief Academic Officer.
7. Expulsion from Missouri Valley College, permanently recorded on the student's record. This penalty will result in automatic failing (F) grades in all courses in which the student is registered, and no fees will be refunded for that semester.

ATTENDANCE POLICY
Attendance is expected and required at each class meeting.

ADA STATEMENT
The College seeks to comply fully with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. The ADA Coordinator works with the programs to assist the faculty in understanding and implementing accommodations.

Students with disabilities should have documentation of their disability sent to the campus ADA coordinator, Debbie Coleman, Baity Hall, Room 206, office 7, 660-831-4170 or colemand@moval.edu, and set up an appointment as soon as they arrive on campus. Students enrolled in online courses should email the ADA coordinator. Failure to do so could delay accommodations. After proper documentation, reasonable efforts will be made to accommodate students’ needs. If you have any questions about how to initiate this process, please contact your instructor.