INFO 3234. BUSINESS INFORMATION SYSTEMS ANALYSIS AND DESIGN

INSTRUCTOR: **DR.** Monica S Johar
*OFFICE***: 352 C FRIDAY BUILDING**
CLASS: FRIDAY 339
Office Hours: Tu-1.15-2.15PM, Th. 1.15-2.15pm and by appointment.
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COURSE OVERVIEW

This course is intended for business students who are likely to be involved in the systems development process in a variety of roles. These roles include systems analyst, systems designer, programmer, systems auditor, and systems support person.

The primary objective of this course is to provide a thorough understanding of technical and managerial issues that are important in the context of business systems development. Examples of technical issues include data, process, and object modeling. Examples of managerial issues include evaluation, selection and management of information systems projects. Teamwork is becoming increasingly important in systems development. The course will also examine teamwork in the context of business systems.

Students will acquire significant hands-on experience with the use of tools used by business systems analysts

Course Description (UNCC Catalog):

INFO 3234. Business Information Systems Analysis and Design. (3) Prerequisites: INFO 3231 and INFO 3233 with a grade of C or above. Examination of business information systems from the perspective of the systems analyst to provide an understanding of concepts, processes and techniques as they are applied to the systems development life cycle. Emphasis on the use of structured and object-oriented techniques to manage the complexities involved in the analysis phase of systems development. (Fall)

COURSE MATERIALS

REQUIRED BOOKS AND ARTICLES

- J.A. Hoffer, J.F. George, and J.S. Valacich. Modern Systems Analysis and Design, Seventh Edition, Prentice Hall, 2013.
- Other Material on Moodle2

GRADING

PROJECTS	o Project 1 = 25 o Project 2= 50 o Project 3= 75 o Project 4= 100 o Project 5= 100
EXAMS	• Exam 1 = 200 • Exam 2 = 200 • Exam 3 = 200
PARTICIPATION	= 50
TOTAL	= 1000

SAS project – Extra 25 points

Final grades will be based on the following scale: A >899, B-800-899, C-700-799, D-600-699, F <600. In addition, students are expected to receive an average of 65% in the three exams in order to receive a grade of C or better.

Class participation grade is based on attendance and active participation in classroom discussion.

The Belk College of Business strives to create an inclusive academic climate in which the dignity of all individuals is respected and maintained. Therefore, we celebrate diversity that includes, but is not limited to ability/disability, age, culture, ethnicity, gender, language, race, religion, sexual orientation, and socio-economic status

ATTENDANCE POLICY

Students are expected to attend all classes. Attendance will be taken randomly. Students who miss more than 4 classes without a valid, documented reason (validity will be decided by the instructor) will be penalized using the following rules; 4-5 classes – 50 % of the class participation points 5-10 classes 75% of the class participation grade.

Students are responsible for all material, assignments, and announcements covered in their absence. Unauthorized absence from exams will result in a failing grade for the course.

OTHER POLICIES

COMPUTER LAB USE

The lab assistants working in the student labs are only expected to perform administrative duties and render basic help in the use of hardware and software. Any consultation beyond this will be construed as cheating.

STUDENT CONDUCT

1. All students expected to comply with the UNCC code of Student Academic Integrity, Code of Student Responsibility, and all University Policies governing student conduct. Please see: http://integrity.uncc.edu/

2. Cheating on exams, plagiarism of papers, projects, or any other type of dishonesty will be reported to the appropriate authorities for further disciplinary action.

3. Students are responsible for keeping backup copies of assignments that are turned in.

4. Every member of a group is expected to contribute to group projects. Students will be expected to turn in evaluation of individual performance of group members. Written exams are likely to contain questions regarding the projects in order to test individual contribution. In addition, the instructor reserves the right to ask selected students to take an oral examination regarding their contribution to projects. The instructor may ask for periodic progress reports on projects.

If you have a disability that qualifies you for academic accommodations, please provide a letter of accommodation from the Office of Disability Services during the first week of class. For more information regarding accommodations, please contact the Office of Disability Services at 704.687.4355 or stop by their office in 230 Fretwell.

Diversity
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Incomplete Grade Policy
Receiving a grade of incomplete ("I") is not based solely on a student's failure to complete work or as a means of raising his/her grade by doing additional work after the grade report time. An incomplete grade can be given only when a student has a serious medical problem or other extenuating circumstance that legitimately prevents completion of required work by the due date. In any case, for a student to receive an 'I' grade, the student's work to date should be passing, he/she must have completed a significant portion of the course, and the student must provide proper written proof (e.g., a doctor's note) of the extenuating circumstances.

Course Changes Policy

The instructor reserves the right to make any necessary changes to the course content, schedule, and policies.

Exams

Make-up exams will NOT be given except in cases of serious medical emergencies as evidenced by a written doctor's excuse or other documented reasons that are discussed with the instructor prior to the exam. Permission must be obtained from the professor **prior** to the scheduled exam time. Students missing an exam with an approved excuse will be allowed to make up the exam. Exam reviews will be available during office hours or by appointment for one week after exam grades are posted.

Exams are a form of intellectual property belonging to those who create them. This means that exams may not be taken out of the room or copied. Students are encouraged to review their exams during office hours or by appointment. However, failure to return an exam after taking or reviewing it or removing an exam from my presence at any time or copying an exam will be considered theft of intellectual property. Such action will result in an exam grade of zero and may warrant further disciplinary action.

TENTATIVE COURSE SCHEDULE
(MODIFICATIONS MAY BE MADE AT THE DISCRETION OF THE INSTRUCTOR)

Date	Topic	Reading	Deadlines
January 10	Course Introduction, Analysis and Design of IS	ch. 1,2	
January 12	Analysis and Design of IS & Requirements Determination (Examples)	Ch. 2,6	
January 17	PROCESS MODELING	ch. 7	
January 19	PROCESS MODELING	ch. 7	
January 24	CASE TOOLS (VISIO) Practice		
January 26	Selecting and Justifying Systems Projects	ch. 4,5	
January 31	Selecting and Justifying Systems Projects	ch. 4,5	
February 2	Selecting and Justifying Systems Projects/Catchup & Review	ch. 4.5	Project 1 Printouts

Date	Topic	Reading	Deliverable
February 7	Structuring Process Requirements		
February 9	Exam 1		
February 14	Projects Review		
February 16	Structuring Process& Data Requirements	ch. 7,8	
February 21	Project 2(Feasibility Study)		Project 2 Report
February 23	Project 2(Feasibility Study)		
February 28	Project 2(Feasibility Study)		
March 2	Structuring Process & Data Requirements Structuring Logic Requirements	Ch.7. ch. 8	
March 7	**SPRING BREAK**		
March 9	**SPRING BREAK**		
March 14	Project 3		
March 16	Designing Databases	ch.9	
March 21	Implementation/		
March 23	Project 3 Presentations		Project 3 Report
March 28	Project 3 Presentations		
March 30	Catchup and Review		
April 4	Managing IS Projects		
April 6	Exam 2		
Apr 11	SAS Project, PROJECT 4/5	ch. 3	
April 13	Managing IS Projects/	Ch. 7,8 appendix	
April 18	OO-Analysis and Design		Project 4 Report
April 20	OO-Analysis and Design,	Ch. 7,8 appendix	
April 25	Designing Distributed & Internet Systems	ch. 12	
April 27	Designing Distributed & Internet Systems	ch. 12	
May 2	Exam 3		EMinor Extra Credit Due
May 9	PROJECT PRESENTATIONS (DATE, TIME and LOCATION To Be Confirmed)		PROJECT 5 DELIVERABLES