Maryland in Europe Graduate Programs
Bowie State University

Information Management Analysis and Design
INSS 540

Dates: 20/21/22 June; 11/12/13 July 25/26/27 July
Ed Center: SHAPE
Times: Friday evening: 18:00-21:00; Saturday: 09:00-17:00; Sunday: 09:00-16:00

Instructor: Manfred Trostmann
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Consultation: Two hours before class begins
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Course Description: *Prerequisite: Either INSS 510, INSS 520, INSS 530, or permission of the instructor.* Provides an in-depth look at all phases of information systems development. Requirements acquisition methodologies are reviewed and evaluated with respect to different application areas. Logical design is reviewed and implementation issues are addressed. Data-centered as well as process-centered approaches to system design are reviewed. Particular design methodologies including structured design and object-oriented design are discussed. Life cycle as well as heuristic approaches to system development are examined and discussed. Organizational and behavioral issues with respect to information system development are examined. An analysis and design project will be required. *Students may not receive credit for both INSS 540 and INSS 610.*

Course Goals/Objectives: At the conclusion of this course the student will understand and be able to explain:

1. The reasons for formal systems analysis and design
2. The processes and phases of IS development
3. Methods for requirements acquisition
4. The importance of structured logical analysis
5. The difference between data centered and process centered methodologies
6. Conventional and object-oriented design methodologies
7. The systems development life cycle
8. Systems prototyping and Rapid Application Development
9. Non-traditional systems development
10. Systems implementation, operations and maintenance
11. Systems security and controls
12. Ethical, organizational and behavio ral issues

Text/Course Materials: Satzinger, J., Jackson, R., and Burd, S. (2002). *Systems Analysis and Design in a Changing World* (2nd ed.). Boston: Course Technology. In addition, a case tool will be utilized.

Grading Information: Grades for this course will be assigned as follows:
Please feel free to modify the following for your own breakoffs, but maintain the grades of A, B, C, F(a), and F(n)

A	93% +	C	70 – 79%
B	80 – 92%	F	Below 70% F(a) or regular non-attendance F(n)

Course Requirements:

Midterm Examination:	35%
Final Examination:	35%
Project:	30%

Project Description: The class will be organized into teams for the project completion, but only one student could also form a team. Both team and individual grades will be awarded for the project. If you prefer to work within a group try to form one. The maximum number of members should be three. The purpose of the project is to give the student an opportunity to bring the information and concepts learned in the course to bear on the topic of student's interest. The students themselves determine the subject of their projects and form their teams. Projects they might have at their home or work are a good starting point. The selection and definition of the subject is part of the project. The students have to submit their ideas and proposals to the instructor and he will give the approval for the final definition of the project.

Course Schedule:

Module	Topics	Assigned readings/assignments due
1	The World of the Modern Systems Analyst	Chapter 1 / 11 July 03
2	The Analyst as a Project Manager	Chapter 2 / 11 July 03
3	Approaches to Systems Development	Chapter 3 / 11 July 03
4	Investigating System Requirement	Chapter 4 / 11 July 03
5	Modeling System Requirements	Chapter 5 / 11 July 03
6	The Traditional Approach to Requirements	Chapter 6 / 25 July 03
7	The Object – Oriented Approach MIDTERM	Chapter 7 / 25 July 03
8	Evaluating Alternatives	Chapter 8 / 25 July 03
9	Design	Chapter 9 / 25 July 03
10	Designing Databases	Chapter 10 / 25 July 03
11	Designing User and System Interfaces, Controls, and Security	Chapters 11 & 12 / 27 July 03
12	Rapid Application Development	Chapter 13 / 27 July 03
13	Packaged Software and Enterprise Resource Planning	Chapter 14 / 27 July 03
14	Making The System Operational	Chapter 15
15	FINAL	

Academic Policies: Please refer to the UMUC Maryland in Europe Graduate Catalog, available online at http://www.ed.umuc.edu/visit/pubs/catalog/grad_02-03.pdf or from your local Education Center, for information on the following:

Academic Integrity
Course Load
Exception to Policy
Grade Appeal Process
Make-up Examinations
Nondiscrimination
Students with Disabilities

CODE OF CIVILITY

To promote a positive, collegial atmosphere among students, faculty, and staff, Maryland in Europe has developed the following Code of Civility:

Respect

Treat all students, faculty, and staff with respect and in a professional and courteous manner at all times and in all communications, whether in person or in written communication (including e-mail).

Kindness

Refrain from using profanities, insults, or other disparaging remarks.

Truth

Endeavor to cite only the truth and not knowingly misrepresent, mischaracterize, or misquote information received from others.

Responsibility

Take responsibility for our own actions instead of blaming others.

Cooperation

Work together with other students, faculty, and staff in a spirit of cooperation toward our common goals of seeking and providing quality education.

Privacy

Strive to uphold the right to privacy and not talk about others.

Nondiscrimination

Respect the differences in people and their ideas and opinions and reject bigotry.

About Your Instructor: Manfred Trostmann got his Diploma in Electrical Communication from the Rhenish-Westphalian Technical University AACHEN and in Electrical Engineering from the University of Applied Sciences at Cologne.
After working for DIGITAL EQUIPMENT CORPORATION (DEC) and Mobil Oil he managed the computer center of the University of Frankfurt and built the network for this university. He has been teaching for University of Maryland for 15 years and belongs to the graduate faculty where he is teaching several classes in the MIS program in Germany.