

Maryland in Europe Graduate Programs  
Bowie State University  
**Information Management Analysis and Design**  
**INSS 540**

9 June – 31 July 2003  
NAS I Sigonella, Sicily, Italy  
Tue – Thu Evenings 1800 - 2100

**Instructor:** Dale Stachurski  
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**Consultation:** 30 minutes before/after class and email (preferred)

**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 behavioral issues

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

**Grading Information:** Grades for this course will be assigned as follows:

A	90% +	C	70 – 79.9%
B	80 – 89.9%	F	Below 70% F(a) or regular non-attendance F(n)

**Course Requirements:**

Midterm Examination:	20%
Final Examination:	25%
Individual/Group Project:	25%
Individual/Group Presentation (Evaluated equally by instructor and fellow students)	15%
Homework (Article Summaries/Case Studies)	15%

**Project Description:** To be discussed the first week of class.

**Course Schedule:**

Module	Topics	Assigned readings/assignments due
1	The Modern Systems Analyst	Chapter 1
2	Analyst as Project Manager	Chapter 2
3	System Development	Chapter 3
4	System Requirements	Chapter 4 & 5
5	Traditional Approach	Chapter 6
6	OO Approach to Requirements	Chapter 7
7	Evaluating Alternatives	Chapter 8
8	Mid-Term Exam	
9	System Design	Chapter 9
10	Database Design & User Interface	Chapter 10 & 11
11	Interfaces, Controls, & Security	Chapter 12
12	Rapid App Development	Chapter 13
13	COTS and ERP	Chapter 14
14	System Operation	Chapter 15
15	Individual/Group Presentations	
16	Final Exam	

**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](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**

**Missed Classes:** The student is responsible for obtaining material, which may have been distributed on class days when he/she was absent. This can be done through contacting a

classmate who was present or by contacting the instructor during his office hours or other times. Missed or late assignments cannot be made up under any circumstances but with good cause and adequate notice, assignments may be submitted early. There are no make-up exams. Students missing exams due to a pre-arranged, excused absence will be allowed to count the final as 200 points. Only official excuses will be accepted. Any uncoordinated, unexcused missed exam will result in a score of 0 for that exam.

**Assignments:** All assignments are due at the beginning of class on the date due. Late submission of assignments will not be accepted. No exceptions are made.

### **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.

### **Who I Am....**

I am UMUC educated earning my Bachelor's in Business and Management in 1996 and my Master's in Computer Systems Management in 2001. I have over 15 years of computer and business related experience - mainly in the field of Acquisition and Project Management Information Systems in large Procurement and Construction Field Offices. I also took the time a while back to reinforce my skills by adding the title of Microsoft Certified Systems Engineer for Windows 2000 to my many life and career experiences.

Since one of my primary responsibilities during my career was to provide training in a multitude of support areas (contract management, project management, MOUS courses, as well as USAF proprietary software and hardware) I decided to try my wares on a full time basis with the University of Maryland University College. In my spare time, what little I have between the "job" and my two wonderful boys, I like to watch movies, read, and above all play as many sports as I can get this old body to perform.