



University of New York, Tirana
Komuna e Parisit (pranë Kopshtit Botanik), Tirana, Albania
Tel.: 00355-(0)4-273056-8 – Fax: 00355-(0)4-273059
Web Site Address: <http://www.unyt.edu.al>

System Analysis and Design Methods

Fall 2007

Lecturer: Eralda CAUSHAJ
E-mail: ecaushaj@unyt.edu.al

Course Description:

This course is designed to provide an understanding, knowledge and appreciation of how a real problem of life is going to be developed, first of all we have to analyse the problem than we have to find the appropriate method for giving the solution of the project. The project management is another important step than we can work with data modelling we can use UML to analysis object- oriented data. At the end of this course we will be able to build the whole schema of the project and using some specially tools for creating the web-interface of every project.

Course Outline:

I	The Context of System Analysis and Design Methods. Readings: Whitten, Bentley, Dittman System Analysis and Design Method sixth edition. Chapter 1
II	Information System Building Blocks, Information System Development. Readings: Whitten, Bentley, Dittman System Analysis and Design Method sixth edition. Chapter 2, 3
III	Project Management. Readings: Whitten, Bentley, Dittman System Analysis and Design Method sixth edition. Chapter 4 Step 1 of the project
IV	System Analysis, Fact-Finding Techniques for Requirements Discovery, Modelling System Requirements with use Cases. Readings: Whitten, Bentley, Dittman System Analysis and Design Method sixth edition. Chapter 5, 6, 7.
V	Data Modelling and Analysis, Process Modeling. Readings: Whitten, Bentley, Dittman System Analysis and Design Method sixth edition. Chapter 8, 9.
VI	Feasibility Analysis and the System Proposal, Object-Oriented Analysis and Modelling Using the UML. Readings: Whitten, Bentley, Dittman System Analysis and Design Method sixth edition. Chapter 10, 11.

VII	Mid-Term Exam
VIII	System Design, Application Architecture and Modelling. Readings: Whitten, Bentley, Dittman System Analysis and Design Method sixth edition. Chapter 12, 13
IX	Database Design, Output Design and Prototyping. Readings: Whitten, Bentley, Dittman System Analysis and Design Method sixth edition. Chapter 14, 15 Step 2 of the project
X	Input Design and Prototyping, User Interface Design. Readings: Whitten, Bentley, Dittman System Analysis and Design Method sixth edition. Chapter 16, 17.
XI	Object-Oriented Design and Modelling using the UML. Readings: Whitten, Bentley, Dittman System Analysis and Design Method sixth edition. Chapter 18.
XII	Systems Construction and Implementation, Systems Operations and Support. Readings: Whitten, Bentley, Dittman System Analysis and Design Method sixth edition. Chapter 19, 20
XII	Final Exams and Deadline for the Project

Textbooks:

Whitten, Bentley, Dittman *System Analysis and Design Method sixth edition.*

Project: During this course is required to attend a project divided in 3 important steps that are going to be presented in each step of that project.

Individual Tutorials:

Students are welcome to arrange a tutorial session with the instructor on an individual basis. An announcement of my office hours is placed outside my office, Administrational Building, 3th floor.

Basis for Student Evaluation:

1. Mid-Term Exam: 30 %
2. Project 30%
3. Final Exam: 40 %

Grading Scale:

A-F (UNYT standard grading scale).

Grading Scale and Quality Points:

Grade	Percentage	Quality points
A	96-100	4.00
A-	90-95	3.67
B+	87-89	3.33
B	83-86	3.00
B-	80-82	2.67
C+	77-79	2.33
C	73-76	2.00
C-	70-72	1.67
D+	67-69	1.33
D	63-66	1.00
D-	60-62	0.67
F	0-59	0.00

Technology Expectations: Power point presentations will be used in every class meeting that we will have.

Assignments are to be word-processed. Continuing and regular use of e-mail is expected.

General Policies:

1. Regular attendance is expected. If there is an urgent reason to be absent, please email the instructor in advance.
2. Assignments will be collected at the beginning of the class session.
3. Any form of unethical activity, e.g. cheating, will result in an automatic F on assignments and/or exam. The University's rules on academic dishonesty (e.g. cheating, plagiarism, submitting false information) will be strictly enforced. Please familiarize yourself with STUDENT HONOR CODE.
4. Make-up exams will be given in the case of a confirmed medical excuse. If possible, please advise the instructor in advance by email.