



PROFFESIONAL MASTER IN “APPLIED INFORMATICS”

LEARNING OUTCOMES

By the end of the programme students will be able to:

- Design, maintaining and developing complex information systems and applications
- Operate with databases
- Manage high level of data through databases
- Build and maintain complex computer networks

PROFILE - APPLICATIONS DESIGN AND DEVELOPMENT

- Design and develop complex software
- Engineer, process and maintain complex data warehouses

PROFILE - DATA MANAGEMENT

- Engineer, process and maintain complex data warehouses.
- Define patterns and analyse large amounts of Data.

PROFILE - INFORMATION SYSTEMS SECURITY

- Secure a safe information system and computer network.
- Detect cybernetic threats.

PROFILE - TV MULTIMEDIA

- Demonstrate the ability to utilize the respective Design software to effectively execute different multimedia projects.
- Learn how to operate on the various stages of the design process to produce a successful design, taking into consideration the requirements of the project.
- Compose and create different multimedia deliverables such as video commercials, video art, music videos, animations, motion graphics, sound design projects, etc.
- Develop and maintain IT systems in television and multimedia industry.

PROFILE - MANAGEMENT AND PROJECT EVALUATION

- Project and manage a complex IT investment.
- Apply the managerial knowledge in the development of information systems.

CURRICULA

PROFESSIONAL MASTER IN "APPLIED INFORMATICS"			
No	Term	Subject Title	ECTS
A - GENERAL SUBJECTS/ 5-10%/6 ECTS			
1	1	Operations Research	6



PROFESSIONAL MASTER IN "APPLIED INFORMATICS"			
No	Term	Subject Title	ECTS
B - CHARACTERIZING/CORE SUBJECTS 30-40% /18 ECTS			
1	1	Management of Information Systems	6
2	2	Computer Networks Management	6
3	1	Information Systems Applications	6
C - INTERDISCIPLINARY/INTEGRATING/ELECTIVE SUBJECTS /20-30%/18 ECTS			
PROFILE: APPLICATIONS DESIGN AND DEVELOPMENT			
1	2	Advanced Software Development	6
2	2	SQL Server and Reporting Platforms	6
3	1	Risk Management in IT	6
PROFILE: DATA MANAGEMENT			
1	2	SQL Server and Reporting Platforms	6
2	1	Advanced Database Administration	6
3	2	Big Data Management	6
PROFILE: SECURITY IN INFORMATION SYSTEMS			
1	2	Computer Networks Security	6
2	1	Risk Management in IT	6
3	2	Cryptography and Ethical Hacking	6
PROFILE: TV- MULTIMEDIA			
1	2	3D Animation	6
2	1	Characters Digital Design	6
3	2	Audio and Video Media	6
PROFILE: PROJECT MANAGEMENT AND EVALUATION			
1	1	Project Management and Evaluation	6
2	2	Managerial Skills	6
3	2	Economic Evaluation of Projects	6
D - ADDITIONAL SUBJECTS 10%/ 6 ECTS			
1	2	Professional internship	6
E - FINAL OBLIGATIONS 10-20%/12 ECTS			
1	1-2	Diploma Thesis/Final Comprehensive Exam	12
Total			60