Date: 25.04.2017
Place: Aalborg, Denmark

Knowledge FOr Resilient soCiEty

K-FORCE Project meeting in Aalborg, Denmark

University of Tirana

Co-funded by the Erasmus+ Programme of the European Union

Master of Science in Risk Management (MSRM)

- *Newly developed curricula*

- *Why Master in Risk Management?*

  a. *Three cores of risk management: 1. Enterprise Risk Management*
  2. Financial Risk Management
  3. Disaster Risk Management

  b. *No other master program in Risk Management.*

- *Why Master of Science?*
  1. *Curricula study*
  2. *Typology of the subjects*
  3. *Labor market study*

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***The content of MSRM curricula**:*

15 subjects conducted on three semesters;

12 mandatory subjects;

3 elective subjects (students choose 3 subjects from 6 proposed)

Internship

Master Thesis

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The content of MSRM curricula:

First Semester:

1. Foundation for Risk Assessment and Decision Making
2. Enterprise Risk Management
3. Financial Forecasting and Valuation
4. Econometrics
5. Research Methods

Second Semester:

1. Governing Sustainability
2. Risk Management in Banking
3. Risk Management and Insurance
4. Disaster Risk Management
5. Probability in Risk Management

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The content of MSRM curricula:

Third Semester:

1. Risk Modeling in Practice
2. Risk-Based Audit

Electives (3 from 6)

1. Management Information Systems
2. Climate change adaption
3. Valuation of Real Estates
4. Fundamentals of Logistics and Operations Management
5. Energy Markets
6. Occupational and Health Safety

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1. Foundation for risk assessment and Decision Making

Students shall gain fundamental knowledge and understanding of risk analysis, risk evaluation and risk management, with applications in a broad array of areas including safety, health, environment and society. Decision making module is devoted to individual decision theory, game theory and social choice theory.

2. **Enterprise Risk Management**

Provide students with a framework, process, skills and tools for the critical analysis of issues relating to an enterprise risk management (ERM) program. Explain how an organization applies strategic risk management, project risk management and operational risk management.

3. Financial Forecasting and Evaluation

This module will learn the students about the importance of value creation for the managers, and how important it is for the business owners. The main goal of the subject is to explain the importance of business value creation and maximization, as well as the strategies and financial models used for business financial valuation

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4. Econometrics

This course introduces the econometric techniques that are commonly applied to finance with a critical and selective exposition, emphasizing the areas of Econometrics, such as GARCH, co-integration and copulas that are required for resolving problems in market risk analysis.

5. Research Methods

This module will serve to give students thorough knowledge and skills necessary to perform a study project, scientific article or dissertation. Students will develop the ability to conduct individual research or studies in their professional careers.

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1. Governing Sustainability

This module further develops the study of sustainable development and focuses on governance and implementation. It will look at who applies and implements sustainable development principles, and where and how these principles are applied and implemented.

2. Risk Management in Banking

This module will serve to give students knowledge regarding the latest information on ALM, Basel 3, derivatives, liquidity analysis, market risk, structured products, credit risk, securitizations, and more.

3. Risk Management and Insurance

The aim of this course is to provide the student with some advanced concepts and techniques in the insurance industry. The programme of this course describes insurance as a device of risk management, as a legal contract between insurance company and policeholder and as a financial service provided by the insurance market and supervised by the state.

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4. **Disaster Risk Management**

This subject examines the various phases of disaster management: prevention, preparedness, response and recovery. This module also explores in details the fundamental concepts of managing risk of environmental hazards.

5. **Probability in Risk Management**

This course introduces students to the principles of probability theory. Specific topics covered include probability theory; descriptive statistics and graphical representations of data; probability distribution functions, etc.

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1. **Risk Modeling in Practice**
   This subject will offer a comprehensive, in–depth, and practical guide that aims to help business risk managers, modeling analysts and general management to understand, conduct and use quantitative risk assessment and uncertainty modeling in their own situations.

2. **Risk-Based Audit**
   This course introduces original risk maps and process models, explaining where and how the topics fit within an overall audit framework, all the latest developments in risk management as it applies to auditors, and insight into how enterprise risk management affects the responsibilities of both internal and external auditors.

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Electives:

1. Management Information Systems

This course is designed to familiarize students with the concepts related to the utilization of information technology in business organizations. It will focus both on technical and managerial aspects of information technology adoption in the organization.

2. Climate Change Adaption

This module provides an in-depth assessment of important issues in climate change. It places contemporary climate change into its historic context, examines the latest thinking in detection and attribution of recent warming and describes the nature of climate modeling and model uncertainty.

3. Valuation of Real Estates

This course retains its focus on the valuation and appraisal of commercial and industrial property across investment, development and occupier markets. It is structured from the client perspective and covers single-asset pricing, risk and return issues.

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Electives:

4. Fundamentals of Logistics and Operations Management

Students will develop the ability to examine the concepts, tactics, and applications of various logistics tools and technologies in order to promote a big-picture understanding that extends well beyond internal operations.

5. Energy Markets

This course aims to provide the students with skills and knowledge in effective trading of energy derivatives and their use as price-risk management tools. The student will be able to understand the nature of the energy market products - electricity, natural gas and oil; to use several hedging strategies in energy markets, such as future contracts and options; to construct various energy market hedging scenarios, to understand the legal and accounting aspects of energy derivatives trades.

6. Occupational and Health Safety

This course will cover a total management approach to the development of written programs, the identification of hazards, the mitigation of hazards by the use of common safety and health tools, the development of a safe workforce through communications, and motivational techniques including behavior-based safety, involvement, and training.

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List of Equipments

No	Type	Name	Description	Units
1	Hardware	PC	Core i5 (Quad Core 2.5 GHz or higher), 250 HDD 7200 RPM, 8 GB Ram DDR3 or higher, Windows 7 or higher	31
2	Hardware	Monitor	17-19" monitor 1366 x 768 resolution	31
3	Hardware	Laptops	Ultrabooks with long battery life, light and Full HD (8GB RAM, 256 SSD, 1080 resolution, Core i7)	4
4	Hardware	Projector	HD Projector with good contrast and brightness features	1
5	Hardware	Projector Support		1
6	Hardware	Projector White Board		1
7	Hardware	Wireless Slide presenter		1
8	Hardware	Photocopy/Printer	Smart printer photocopy that can be inserted to domain with user codes printing	1
9	Hardware	Shredder	Shredder to cut test and old papers automatically	1
10	Hardware	Router Wireless	Powerfull Router to support 30 more PCs with internet and reasonable bandwith	1

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List of Equipments

11	Hardware	(Optional) Chromecast	Connect your small screen to your big screen. You can connect directly your projectors/screen to your laptop, Phone that you want to present something	1
12	Hardware	TeleConference Room Equipments (Camera + Microphones)	For live or recorded video and audio streaming to any networked computer	1
13	Hardware	(Optional) Speakers	Powefull Speakers to amplify the room sounds in case of Videos or presentations	1
14	Hardware	Video Converter adapter	Converter hub for different connection option HDMI, VGA, Mini HDMI, Mini DP, DVI	1
15	Hardware	External HDD 1 TB	External HDD 1 TB, USB 3	2
16	Hardware	Digital Camera	Semi Profesional	1
17	Hardware	Tripod		1
18	Hardware	Hand Held Laser Distance Measurer x 1	Exterior Package Leica DISTO™ D810 touch	1
19	Hardware	Outdoor Handheld GPS GIS Mapping Data Collector x 1	Trimble TDC 100 Series Handheld	1

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Laboratory:

- It will be settled in the building A, second floor of Faculty of Economy, UT
- Equipment to be placed in the laboratory include: PC, Monitor, Projector, Projector White Board, Router Wireless.

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DITA E KARRIERËS
Hidh hapin tënd...
Mundësi Punësimi
Bursa Studimi
Internship
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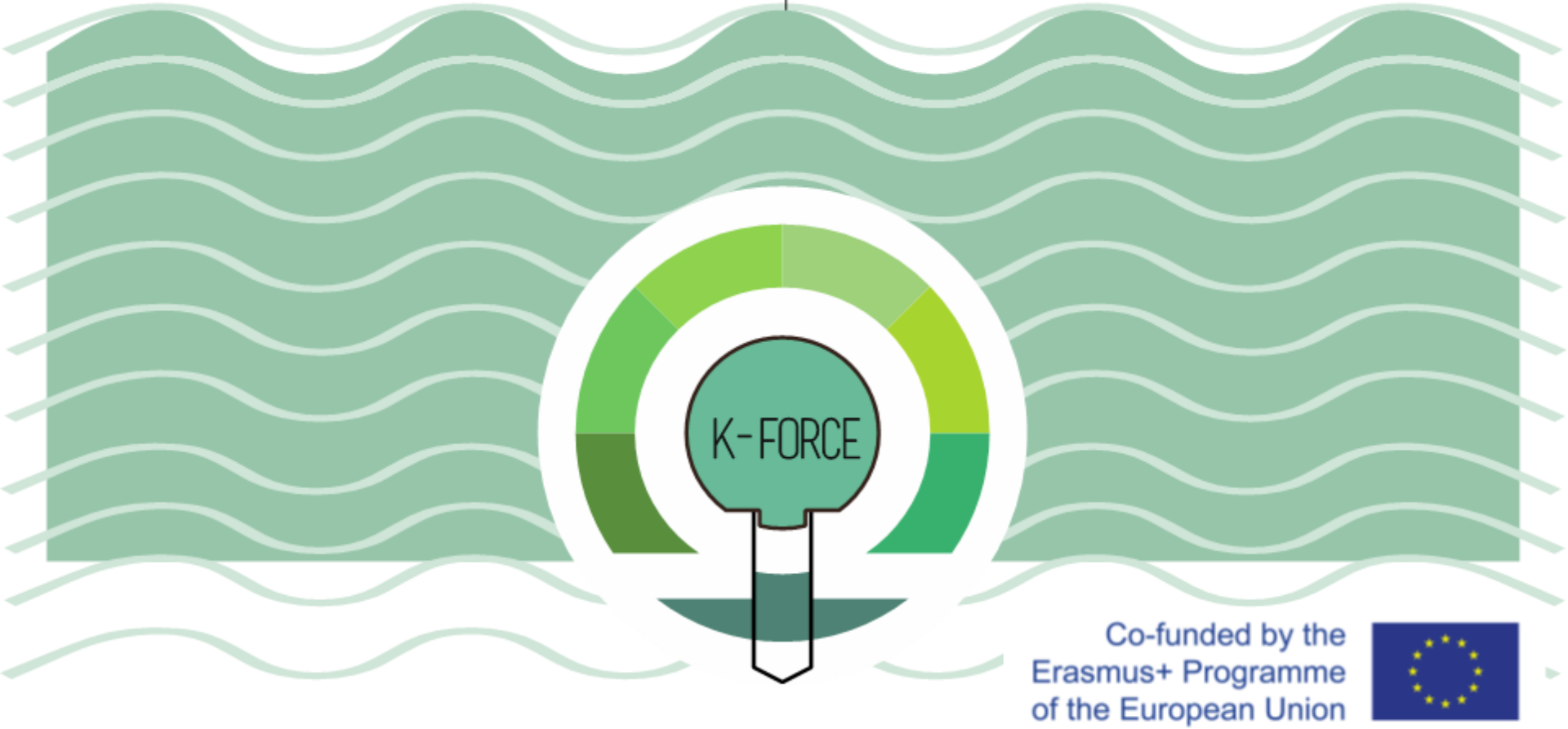
UNIVERSITETI I TIRANËS
FAKULTETI I EKONOMISË


EKONOMSKI FAKULTET
LAB-A206
Co-funded by the
Tempus Programme
of the European Union
studAVP
This computer lab was created under the support of the Tempus
project StudAVP (Students in AudioVisual Production) Ref. number:
544108-TEMPUS-1-2013-1-RS-TEMPUS-JPHES



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Thank you
for your attention

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Knowledge **FO**r **R**esilient so**C**i**E**ty