UNIVERSITY
WARMIA AND MAZURY IN OLSZTYN

Faculty of Economic Sciences

Course title: Risk analysis

ECTS credit allocation (and other scores): 3,5

Semester: autumn

Level of study: all

Branch of science: Social sciences

Language: English

Number of hours per semester: 30

Course coordinator/ Department and e-mail: dr Anna Rutkowska-Miczka, aniarek@uwm.edu.pl

Type of classes: classes

Substantive content

CLASSES:

Why Risk analysis is Important to Managers. The Nature of Financial Decisions. Financial Modeling, Risk Management, and FinancialEngineering The Multicriteria Aspects of Financial Decisions Corporate Objectives. The Multidimensional Aspects of Risk. Return, Profitability, and Wealth. .Total risk. Clasical risk measures: standard deviation and others statistical measures of dispersion. Downside risk: semivariance, value at risk, conditional value at risk, lower partial moments. Systematic risk: beta and downside beta

Learning purpose:

How to use risk analysis to produce useful information for decision-making?

On completion of the study programme the graduate will gain:

Knowledge:

Basic Risk measure and their properties

Skills:

Application of Risk analysis to produce useful information for decision-making

Social Competencies: applications of risk concept in the real life

Basic literature: Michael Doumpos, Constantin Zopounidis, Multicriteria Analysis in Finance, Springer 2014
Supplementary literature: Carl Bacon, Practical portfolio performance measurement and attribution, second editions, Wiley & Sons 2008

The allocated number of ECTS points consists of: 3,5

1)Contact hours with an academic teacher:45

2) Student's independent work: 30