

CURICULLUM
MASTERS Program: FINANCIAL ADMINISTRATION
LANGUAGE: GREEK

1st SEMESTER

No.	COURSE	T	L	E	TOTAL	ECTS	Short Outline
1	BUSINESS MANAGEMENT IN DYNAMIC ENVIRONMENTS	2	0	1	3	5	Globalization - Operation of businesses in a dynamic - globalized environment. Strategic acquisition of competitive advantage by businesses. Strategic business planning in an evolving and dynamic environment. Innovation and Innovation Management as the cornerstone of competitiveness. Business - Entrepreneurship - Business Responsibility - Business Ethics. Incentives - Employee Motivation: Workplace Management Models. Leadership and Leadership Models. Decision Making in Entities. Total Quality - Total Quality Management System for Competitive Advantages, ISO, HACCP. Knowledge Management in Entities. Change Management in Entities (Lean Management, Lean Production, Lean Administration, Reengineering, Kanban, Kaizen). Strategic Human Capital Management. International Management and Communication in a Globalized Environment. Ecological Management - Green Growth and Economy.
2	INTERNATIONAL - EUROPEAN ECONOMIC AND BUSINESS ENVIRONMENT	2	0	1	3	5	Globalization and economic crisis, Eurozone and Greece. Financial Completions, Theoretical Approach. International Financial Regimes and International Financial Organizations. EU: Review of Common Policies and Specifically for Competition and Media. The political economy of transition and transitional economies. The Balkan economic and business environment and inter-Balkan economic cooperation. The Euro-Mediterranean Economic Cooperation. The Black Sea Economic Cooperation (7, 8, 9 special reference in Greece). New emerging markets [Brazil, Russia, India, China (BRIC)] and their role in the global economy. Multinational companies and the multinational dimension of Greek businesses. National Business Financing Tools, Development Law, ETEAN, Venture Capital Funds, etc.). Modern Community financial instruments for enterprises (CSF, NSRF 2007-2013, 2014-2020, Territorial Cooperation Programs, MEDA, etc.).

3	QUANTITATIVE METHODS IN FINANCE	3	0	1	4	7	The purpose of the course is to specialize in quantitative methods with emphasis on their practical application and decision-making problems. Students will have the ability to apply a range of standard empirical methods to economics and finance, reproducing results from raw data collection in statistical software. The course contents are in general: descriptive statistics, distributions and probabilities, sampling techniques, research design and analysis, regression analysis, chi square test, independence tests, ANOVA, violation of the basic regression assumptions, econometrics.
4	CORPORATE FINANCE	3	0	1	4	7	The role of financial management in decision making and the basic principles of finance. Investment Evaluation Methods: The Net Present Value method, the Internal Rate of Return method and their financial importance. Valuation Methods for Securities and Enterprises. Portfolio Theory. Risk Assessment. Asset Valuation Model (C.A.P.M - Capital Asset Pricing Model). Sources of Financing and Cost of Capital (W.A.C.C.). Capital Structure and Decision Making. Dividend Policy. Development of Agency Problem Theory. Acquisitions and Mergers. Techniques and ways of acquiring, absorbing businesses. Degree of cyclicity of M&As in global financial markets.
5	FINANCIAL INFORMATION SYSTEMS	2	2	0	4	6	Computers technology: current situation and future trends. Networks: current situation and future trends. Software: algorithms, languages, basic structures and programming. Data bases, analysis, design and applications, exercises. Information Systems: theoretical issues, environment issues, technological issues. ERPs, CRMs, DSS. Financial Information Systems. Project manangement. E-Commerce, E-business, E-government. Security, digital signatures, threads, desktop-mobile. Knowledge management. Social Networks and applications in financial systems.
TOTAL		12	2	4	18	30	

2nd SEMESTER

No.	COURSE	T	L	E	TOTAL	ECTS	Short Outline
1	MACROECONOMICS AND FINANCIAL ANALYSIS	2	2	0	4	7	<p>This course focuses on macroeconomic policy and international financial flows. It uses macroeconomic models (IS/LM and Mundell-Fleming) to analyze the complexity of the interactions between the financial system with the economy, governments and central banks. It applies macro-economic concepts with a focus on companies and their relationships to the wider economy from a finance perspective. Core themes are: Contemporary issues in economic policy; the main causes of economic crises. Macroeconomic indicators. Types of economic crises. The IS/LM, AD-AS and Mundell-Fleming models. The balance of payments and the exchange rate. Money and banking. Central banks and financial markets. Monetary policy and international finance.</p>
2	FINANCIAL PROJECT MANAGEMENT	3	0	1	4	6	<p>The purpose of the course is specialization in the financial management of projects. In particular, issues are considered: Planning submission, evaluation, inclusion, implementation and completion of projects. Modern financial instruments for projects and investments. Project feasibility. Physical and Economic object of the project. Costs and sources of funding. Financial Forecasting, financial viability and project efficiency. The business plan, meaning, structure, content. Through the exercises, the skills necessary to write business plans for selected categories of projects are cultivated.</p>
3	INTERNATIONAL FINANCE	3	0	1	4	7	<p>The purpose of this course is to specialize in International Finance and especially in Financial Markets. More specifically, it is analyzed the structure of bonds markets, and also the structure of the financial products. In addition, it is analyzed the pricing of bonds and options that accompany them. Finally, new financial products are analyzed that belong to companies. All the above is applied in case studies, where these are the landmarks of financial markets. Postgraduate students who follow this course will be able to learn: the estimation of futures and present value, the analysis of bonds markets, the pricing of bonds, the analysis of the return-risk procedure of stocks, the characteristics of futures and options products over the counter market, and the operation of Financial Markets.</p>

4	FINANCIAL MANAGEMENT OF GOVERNMENT AND NONPROFIT ORGANIZATIONS	2	0	1	3	5	Introduction to financial management of government and non-profit organizations. Principles of Accounting and Financial Reporting for State and Local Governments. Working capital and cash management in the public sector. Governmental Operating Statement Accounts; Budgetary Accounting. Budgeting and Performance Measurement. Analysis of Governmental Financial Performance. Development and execution of appropriate financial strategy and investments
5	DATA SCIENCE IN ECONOMICS	2	0	1	3	5	Introduction to Data Science, Big Data Analysis, Business Data, and Mining. Use of Python and R. Critical understanding and application of methods and techniques in Econimcs, Basic R, Python variables, data structures, Numpy, Pandas, Visualizations and elements of Machine Learning in Economics
TOTAL		12	2	4	18	30	

3rd SEMESTER

No.	COURSE	T	L	E	T	ECTS	Short Outline
1	MASTERS THESIS (research and authorship)					30	

Abbreviations:

T: THEORY

L: LABORATORY

E: EXERCISES

ECTS: European Credit Transfer System