ACADEMIC YEAR 2020-2021
FINANCE MAJOR
CORE MODULES – 8th SEMESTER
(TOTAL ECTS 30 UNITS)

1. SPECIAL ISSUES IN FINANCE - (6 ECTS)
The aim of the module is for students to enrich their financial knowledge through a series of lectures using case studies on specific financial issues. Topics covered include: use of neural networks in financial applications, evaluation of investments using advanced methods, modern forms of corporate financing, financial analysis of cyber risks, mergers and acquisitions, maritime finance, energy exchanges, investments on art, Financial management of Renewable Energy Sources - Photovoltaic projects, Wind Power Plants (ASPIE), etc. The course consists of lectures and practical applications - case studies.

2. FIXED INCOME SECURITIES - (6 ECTS)
The aim of the module is for students to understand the basic characteristics of bonds, the categories of issuers, the meaning of duration, bonds with integrated rights, the operation of the secondary bond market, the risks that investors of fixed income bonds are exposed to, the range of bond portfolio management strategies, market capitalization ratios, different types of active management strategies, constraints arising from the use of duration and convexity to evaluate the performance of management strategies and of the various strategies of the yield curve. The course consists of lectures and practical applications - case studies.

3. BANK RISK MANAGEMENT - (6 ECTS)
Topics covered are: banking risks, institutional framework and corporate governance, financial capital and capital adequacy, management of accounting and income statements, sensitivity indicators, value at risk (VaR) and expected excessive deficit, credit risk, market risk, liquidity risk, interest rate risk, risk definitions and approaches for their management used by foreign banks, Basel Committee regulatory issues. The course consists of lectures and practical applications - case studies.
ELECTIVE MODULES
(CHOOSCE ANY 2)

1. SPECIAL ISSUES IN FINANCIAL ACCOUNTING - (6 ECTS)
The aim of the course is the analysis of special topics of the Accounting Science. In particular, the module examines modern accounting problems faced by companies as well as the ways that management may deal with them. The topics presented and examined cover the following: bank accounting, special purpose vehicles - securitization, offshore companies, accounting for grants (Greek Accounting Standards), accounting for grants (International Accounting Standards), leasing accounting, factoring accounting, financial instruments, hedge accounting, accounting for bonds, deposits, Repos. The course consists of lectures and practical applications - case studies.

2. ADVANCED ACCOUNTING - (6 ECTS)
The module introduces students to the basic concepts and terms of accounting of consolidated financial statements - mergers and acquisitions. It continues with a systematic overview of the need for the preparation of consolidated accounting statements in Greece. Next, it analyzes the provisions of the Greek Accounting Standards (N. 4308/14) as well as the International Financial Reporting Standards related to the obligations of companies liable to prepare and present consolidated statements. The teaching sessions use examples which facilitate understanding of the definitions and jargon, while case studies and practical applications are also provided from Greece and internationally that will enable students understand the various aspects of the module in depth.

3. COSTING AND COST ACCOUNTING - (6 ECTS)
The module thoroughly analyzes the principles and techniques of Cost Accounting used by executives for decision making as well as for the exercise of management and control. The module aims to lay the groundwork for students to understand Cost Accounting, both in theory and practice. Topics covered include: cost accounting, the link between cost accounting and financial and managerial accounting, basic concepts of cost and costing, primary cost elements, costing process and cost flow, design of traditional costing systems (individual production) - accounting entries, design of traditional costing systems (continuous production) - accounting entries, cost distribution to supporting departments, activity based costing (ABC Costing) - accounting entries, standard costing - accounting records, costing of cogeneration products, by-products and defective products, modern costing techniques, target costing, Life Cycle Costing, backflush costing, cost of quality. The course consists of lectures and practical applications - case studies.

4. PORTFOLIO MANAGEMENT AND INFORMATION SYSTEMS - (6 ECTS)
The module aims to provide students / future executives of investment and portfolio management companies with the theoretical knowledge and practical knowledge they need. The items covered, among others, include the legal and institutional framework of the ASE, new stock products such as the margin account, open sales and securities lending. In addition, it covers the way of listing companies on the ASE, the organizational and operational framework of an investment firm, elements of portfolio and capital market theory, stock valuation, elements of fundamental and technical analysis, while special emphasis is given to the development, implementation and evaluation of investment strategies. In addition, the way stock market indices are constructed is analyzed as well as their monitoring. The course, through a systematic presentation of basic financial concepts, aims to familiarize students with real time stock trading as well as the application of innovative methods of creating and
analyzing portfolio strategies through quantitative portfolio management. Econometric models, statistics and mathematics are used to select stocks, as the main advantage of the method is the high degree of objectivity, the high degree of risk control and the low management costs. Finally, the purpose of the course is to analyze portfolio performance as it is an important factor in the process of quantitative portfolio management. The laboratory also uses the econometric package Eviews, in order to develop different ways of programming to achieve the easiest and fastest processing of large volumes of data.

5. MONETARY POLICY - (6 ECTS)
The aim of the module is to provide students with theoretical and practical knowledge on the following topics: the supply and demand of money, the relationship between monetary policy and real economic activity, the transmission mechanism of monetary policy, monetary policy and the problems of inflation and unemployment, the role of monetary policy according to the different schools of economic thought. The course consists of lectures and practical applications - case studies.

6. INTRODUCTION TO PUBLIC AND UNION LAW - (6 ECTS)
The course familiarizes students with the basic concepts of all three branches of Public Law (Constitutional, Administrative, Tax), as well as Union Law, in order to know the fundamental principles and values of Public Law, on the one hand, and state legal architecture, the institutions, the responsibilities of the Law and the values of the EU, on the other. The course consists of lectures and practical applications - case studies.

7. STRATEGIC MANAGEMENT - (6 ECTS)
The module analyzes in detail all the basic principles of Strategic Business Management. It also presents and analyzes the strategic planning and control of a business. The topics covered include, among others: introduction to strategic management, strategy analysis (of external and internal environment), corporate mission-vision, basic strategy concepts, strategic choice - planning and types of strategy, strategy implementation, evaluation and monitoring, strategic decision making. The course consists of lectures and practical applications - case studies.

8. ANALYSIS AND MODELING OF PROCESSES AND SYSTEMS IN ACCOUNTING AND FINANCE - (6 ECTS)
The purpose of the module is for students to understand the organization and operation of entities based on business processes linked to their value chain. Understanding process-based modelling methods and linking between business objectives, business processes, employees, information and technology. Understanding the concept of business process and familiarizing with system analysis techniques and modelling and finally, learning how to use open source modelling software tools such as draw.io and Processmaker. The course consists of lectures and practical applications - case studies.

9. FINANCIAL ECONOMETRICS - (6 ECTS)
The purpose of the module is to help students understand the behavior of financial indicators through the implementation of statistical programs. The topics include, among others: characteristics of financial time series, stochastic processes, estimation, properties and testing of CAPM, dynamic models, spurious regression, unit root tests, cointegration, ECM models, linear AR, MA and ARIMA models, volatility models.
10. RESEARCH METHODOLOGY IN ACCOUNTING AND FINANCE - (6 ECTS)
The module analyzes in detail all the basic principles of research methodology with emphasis on Accounting and Finance. The aim of the course is to present the modern techniques for conducting qualitative and quantitative scientific research in the fields of Accounting and Finance. In particular, issues related to the research methodology-purpose and basic principles, research methodology and design, literature review, quantitative and qualitative research, sampling, collection of information: field research, observation, interviews, focus groups, questionnaires - attitude measurements, data management: analyzing quantitative and qualitative data, writing - presentation of scientific research and scientific research applications in Accounting and Finance.

11. ADULT EDUCATION METHODOLOGY AND TEACHING DELIVERY - (6 ECTS)
Students, after attending the course, will acquire knowledge and skills related to adult learning and teaching. More specifically, they will be able to identify the following key concepts in the field: adulthood, education, training, skills, abilities, learning contract, assessment of learning needs, formal and non-formal education, non-formal learning, continuing education, etc. understand and relate philosophical influences of the field, ideological influences and epistemological quests, to know and discuss the basic theories of adult learning: humanistic theories (Rogers), social-transformational theories (Freire), empirical theories (Dewey, Kolb), transformative theories (Mezirow) to critically analyze and comment on micro-teaching, to select and incorporate in micro-teaching the appropriate active learning techniques, such as brainstorming, group work, case studies, etc., to acquire experiences as adult educators in micro-teaching and realize the importance of alternating the roles of instructor and learners during micro-teaching, through experiential learning.