

ADVANCED ENGLISH

Prof.ssa Michelle Martinez

e-mail: ponji1@gmail.com

degree course: M35-0/22

degree class: LM-16

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: L-LIN/12

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) David Cotton, David Falvey, Simon Kent, *Market Leader 3rd Edition*, Pearson Longman, Harlow, 2016,

aims:

By the end of the course, the student will have strengthened his/her English skills in reading, writing, listening, and speaking, specific to Business English and American work culture.

prerequisites:

Level B1 of the Common European Framework of Reference for Languages.

content:

Business English: Perform tasks required in business management. Topics to be discussed include human resources, branding and marketing, leadership and management, cultural awareness, diplomacy and negotiations, ethics, finance, customer service, and any emerging topics.

English Language: Question forms, conditionals, phrasal verbs, reported speech, verb tenses in the B1+/B2 level, passive tense, articles, pronunciation of regular verbs.

American work culture

DIRITTO DELLA CRISI DI IMPRESA

Prof. Maurizio Sciuto

MOD. A DIRITTO DELLA CRISI DI

e-mail: _

degree course: M35-0/22

degree class: LM-16

logistic sharing: classe LM-77

total hours of tuition: 20

European Credit Transfer and Accumulation System (ECTS): 3

Discipline Scientific Sector: IUS/04

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

(to be specified)

aims:

(to be included)

prerequisites:

(to be included)

content:

(to be included)

DIRITTO DELLA CRISI DI IMPRESA IMPRESA

Prof. Maurizio Sciuto

MOD. B DIRITTO DELLA CRISI DI

e-mail: _

degree course: M35-0/22

degree class: LM-16

logistic sharing: classe LM-77

total hours of tuition: 20

European Credit Transfer and Accumulation System (ECTS): 3

Discipline Scientific Sector: IUS/04

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (C) Aa. Vv. (a cura di M. Cian), *Diritto commerciale II*, Giappichelli, Torino, 2019, Pagine/Capitoli: Vol. I: tutto, tranne i §§ 17 (compreso nel Mod. B) 18 e 19 (mercato e contratti di impresa); Vol. III: §§ 9 - 23
2. (C) A. Nigro - D. Vattermoli, *Diritto della crisi delle imprese (Le procedure concorsuali) V ed.*, il Mulino, Bologna, 2021,

aims:

Training the student in legal argumentation, applying principles and rules of bankruptcy law to concrete problems, analyzed also through the answer to questions formulated in case-based terms.

prerequisites:

Knowledge of the basics of Private Law and Company Law is recommended

content:

Bankruptcy Law.

Reorganization of a Debtor's Business.

DIRITTO DELLE SOCIETA' QUOTATE

Prof. Ettore Fazzutti

e-mail: _

degree course: M35-0/22

degree class: LM-16

logistic sharing: classe LM-77

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: IUS/04

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) F. CHIAPPETTA, *Diritto del governo societario*, CEDAM, Padova, 2020,

aims:

Knowledge of the law related to companies with shares listed on the stock market.

prerequisites:

Knowledge of company law, related in particular to corporations.

content:

1. Companies with shares listed on the stock exchange: the discipline of Civil Code.
2. Companies with shares listed on the stock exchange: the Special discipline (TUF).

PRINCIPI CONTABILI INTERNAZIONALI E BILANCIO DIGITALE

Prof. Andrea Fradeani

e-mail: a.fradeani@unimc.it

degree course: M35-0/22

degree class: LM-16

logistic sharing: classe LM-77

total hours of tuition: 60

European Credit Transfer and Accumulation System (ECTS): 9

Discipline Scientific Sector: SECS-P/07

module type: -

semester: I Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) A. Quagli, *Gli standard dello IASB nel sistema contabile italiano*, G. Giappichelli Editore, Torino, 2019,

aims:

The course aims to deepen both the International Financial Reporting Standards (IFRS) and the processable digitalization of financial statements (via XBRL language and ESEF format).

prerequisites:

Business administration and financial accounting.

content:

1. Financial statements and International Financial Reporting Standards.
2. The Framework, the primary financial statements, and the notes.
3. The IFRS relating to the main areas/themes of the financial statements.
4. Brief considerations on the first adoption of IFRS.
5. Digital Financial Statements.

SVILUPPO ECONOMICO E DISTRIBUZIONE DEL REDDITO

Prof. Stefano Perri

e-mail: perri@unimc.it

degree course: M35-0/22

degree class: LM-16

logistic sharing: classe LM-77

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: SECS-P/01

module type: -

semester: n/i

(A)=Adopted, (C)=Recommended textbooks:

1. (A) Stefano Perri, *Dispense di sviluppo economico e distribuzione del reddito*, s.e., Macerata, 2021, Tutto il libro

aims:

This course aims to provide students with the knowledge of the different approaches to distribution of income and economic growth and their interactions.

prerequisites:

Knowledge of the key issues of economic theory.

content:

In the first part of the module A of the course we study the different theories of distribution of income and economic development in their historical perspective. In the second part we study the classical, the neoclassical and the Keynesian model. The different approaches to technical change and its effect on growth, employment and income distribution are then developed. Eventually trends in the developed economies in the last decades are studied.

VALUTAZIONE DI IMPATTO DELLE SCELTE IN ECONOMIA E BUSINESS

Prof. Antonio Pacifico

e-mail: antonio.pacifico@unimc.it

degree course: M35-0/22

degree class: LM-16

logistic sharing: classe LM-77

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: SECS-P/05

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) Stock, James H. and Watson, Mark W., *Introduzione all'econometria*, Pearson, Milano, 2020, Indicati dal Docente
2. (C) Wooldridge, Jeffrey M., *Introductory Econometrics: A Modern Approach*, South-Western, USA, 2019, Indicati dal Docente

aims:

The purpose of the course is to provide the necessary tools for a thorough understanding of the theory behind classical econometric models.

prerequisites:

Data Analysis and Descriptive Statistics, Probability and Inference.

content:

Simple and Multiple Linear Regression; Non-linear Regressions; Logit e Probit Models; Instrumental Variables.
Statistical-econometric Software: Gretl.

AGENTI, MERCATI E ISTITUZIONI FINANZIARIE

Prof. Luca Riccetti

e-mail: luca.riccetti@unimc.it

degree course: M35-FIT/22

degree class: LM-16

total hours of tuition: 60

European Credit Transfer and Accumulation System (ECTS): 9

Discipline Scientific Sector: SECS-P/01

module type: -

semester: I Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (C) Forestieri Giancarlo, Mottura Paolo, *Il sistema finanziario*, Egea, -, 2017,
2. (C) Munari Luciano, *Strumenti finanziari e creditizi*, McGraw Hill, -, 2015,
3. (C) Alessandrini Pietro, *Economia e politica della moneta - nel labirinto della finanza*, il Mulino, -, 2021,
4. (C) Nadotti L., Porzio C., Previati D., *Economia degli intermediari finanziari*, McGraw-Hill, quarta edizione, 2022,
5. (C) Tagliavini G., Poletti L., Ronchini B., *Strumenti finanziari e creditizi*, McGraw-Hill, quarta edizione, 2022,
6. (C) Caiani A., Russo A., Palestrini A., Gallegati M., *Economics with Heterogeneous Interacting Agents*, Springer, Switzerland, 2016,

aims:

Knowledge of the most important features of the financial system, in order to understand its regulatory and structural evolution process and its interaction with the "real economy".

prerequisites:

Knowledge of Macroeconomics, Monetary policy, and Economics of financial markets and financial intermediaries are useful for the learning process.

content:

- Aim and structure of the financial system,
- Money and transaction settlement,
- Central bank, conventional and unconventional monetary policy,
- Financial systems: markets and intermediaries,
- Investment banking activities
- Credit market,
- Efficiency and fragility of the global financial system,
- Financial regulation: Basel 3, European Banking Union, Italian financial system reform.
- Agent-based models representing the interaction between "real economy" and financial system.

ASSET MANAGEMENT E CONSULENZA FINANZIARIA

Prof. Andrea Delle foglie

MOD. A

e-mail: _

degree course: M35-FIT/22

degree class: LM-16

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: SECS-P/11

module type: -

semester: n/i

(A)=Adopted, (C)=Recommended textbooks:

1. (A) di Ignazio Basile (a cura di), Maria Debora Braga (a cura di), Pierpaolo Ferrari (a cura di), Andrea Sironi (Avanti), *Asset management e investitori istituzionali*, Pearson, Milano, 2019, 493

aims:

The course details the economic rationale, functioning and management of the different asset classes in the market, as well as the operational techniques underlying the main financial intermediaries and instruments.

prerequisites:

Intermediate level of Economics of Financial Intermediaries

content:

Part 1 (5 hours) - Market and macroeconomic scenarios: investment choices and uncertainty

Part 2 (15 hours) - Institutional investors: categories, role and products

Part 3 (15 hours) - Asset management instruments and asset allocation

Part 4 (5 hours) - Investment and portfolio strategies of asset management industry (practical examples and simulations)

ASSET MANAGEMENT E CONSULENZA FINANZIARIA

MOD. B

Prof.ssa Emanuela Giacomini

e-mail: EMANUELA.GIACOMINI@unimc.it

degree course: M35-FIT/22

degree class: LM-16

total hours of tuition: 20

European Credit Transfer and Accumulation System (ECTS): 3

Discipline Scientific Sector: SECS-P/11

module type: -

semester: n/i

(A)=Adopted, (C)=Recommended textbooks:

1. (A) BASILE-P. FERRARI, *Asset management e investitori istituzionali*, Pearson, Milano, 2019, I capitoli saranno indicati a lezione

aims:

The course aims to examine the players on the asset management market.

prerequisites:

none

content:

- Scenario analysis / Customer behavior, financial needs and risk appetite.
- Financial services regulation: the MiFID directive and its effects on the Asset Management sector.
- Managed savings products.
- Risk Adjusted Performance Measures.
- Active and passive management.
- Calculation of yields (MWRR - TWRR).

DIRITTO DEGLI INTERMEDIARI FINANZIARI

Prof. Andrea Luigi Niutta

e-mail: andrealuigi.niutta@unimc.it

degree course: M35-FIT/22

degree class: LM-16

total hours of tuition: 60

European Credit Transfer and Accumulation System (ECTS): 9

Discipline Scientific Sector: IUS/05

module type: -

semester: I Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) S. AMOROSINO (a cura di), *Manuale di Diritto del Mercato Finanziario*, Giuffrè, Milano, 2014,

aims:

Knowledge about the regulation of financial intermediaries in particular:

1. type of subject of intermediaries;
2. independent powers of the authorities;
3. discipline crisis.

prerequisites:

Private law, Public law, Commercial law.

content:

The course aims to analyze the most recent regulation of financial intermediaries, based on the Consolidated Law on Finance, as updated following the law on savings. Are thoroughly analyzed the new list of investment services and accessories, in particular the rules of the SGR and the Fund, and standing on the types of securities investment funds in Italy and the open character of the contract relating to the funds-cash accounts. A part of the course is devoted to the duties of intermediaries to customers and profiles of possible liability.

ECONOMETRIA PER LA FINANZA

Prof. Antonio Pacifico

e-mail: antonio.pacifico@unimc.it

degree course: M35-FIT/22

degree class: LM-16

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: SECS-P/05

module type: -

semester: I Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) Stock, James H. and Watson, Mark W., *Introduzione all'econometria*, Pearson, Milano, 2020, Indicati dal Docente
2. (C) Wooldridge, Jeffrey M., *Introductory Econometrics: A Modern Approach*, South-Western, USA, 2019, Indicati dal Docente
3. (C) Tsay, Ruey S., *Analysis of Financial Time Series*, Wiley Series, Chicago, 2010, Indicati dal Docente
4. (A) Hurn, S. and Martin, Vance L. and Phillips, Peter C.B. and Yu, J., *Financial Econometric Modeling*, Oxford University Press, England, 2022, Indicati dal Docente

aims:

The purpose of the course is to provide the necessary tools for a thorough understanding of the theory behind classical econometric models.

prerequisites:

Data Analysis and Descriptive Statistics, Probability and Inference.

content:

Simple and Multiple Linear Regression; Non-linear Regressions; Univariate and Multivariate Linear Time-series.
Statistical-econometric Software: Rstudio o Gretl.

ECONOMIA MONETARIA INTERNAZIONALE

Prof.ssa Domenica Tropeano

e-mail: tropeano@unimc.it

degree course: M35-FIT/22

degree class: LM-16

total hours of tuition: 60

European Credit Transfer and Accumulation System (ECTS): 9

Discipline Scientific Sector: SECS-P/01

module type: -

semester: I Semestre

(A)=Adopted, (C)=Recommended textbooks:

(to be specified)

aims:

To understand how money is created.

To understand how monetary policy affects real activity.

To compare the monetary policy of the Eurozone, of the United States and of Japan.

To focus on a particular country as a case study.

prerequisites:

macroeconomics and finance.

content:

Money supply.

channels of transmission of monetary policy.

What is a central bank also in historical perspective.

The conduct of monetary policy in the Euro-zone during the last years .

Some case studies related to a particular countries or group of countries.

International capital flows and international financial markets.

FINANZA AZIENDALE

Prof.ssa Barbara Fidanza

e-mail: barbara.fidanza@unimc.it

degree course: M35-FIT/22

degree class: LM-16

total hours of tuition: 60

European Credit Transfer and Accumulation System (ECTS): 9

Discipline Scientific Sector: SECS-P/09

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) BREALEY, MYERS, ALLEN, SANDRI, *Principi di Finanza Aziendale*, McGraw Hill, Milano, 2020, capitoli 1, 2 (escluso par. 2.7), 4, 5, 6, 7, 8, 9, 10, 17, 18, 19

aims:

The aim of the course is to give a complete theoretical and practical framework of investing and financing decisions, focusing on their role in the creation of shareholders value.

prerequisites:

Knowledge of the theoretical assumptions and operational tools for the past and prospective analysis of its financial equilibria. Basic knowledge of financial markets. Notions of mathematics and financial mathematics.

content:

The following topics are studied in depth:

- Capital Budgeting
- Valuation Models of shares and bonds
- Evaluations through comparables
- Risk measures and risk pricing on the capital market
- Mean-variance models, portfolio diversification and risk-return relationship
- Capital Asset Pricing Model (CAPM), beta and cost of capital
- Financial structure and value. The choice of financial structure in perfect markets (Modigliani & Miller theory)
- Debt and taxes
- Bankruptcy / bankruptcy costs, debt agency costs / benefits and information asymmetries: effects on the choice of the financial structure

FINANZA COMPORTAMENTALE E SOSTENIBILE

Prof.ssa Nicoletta Marinelli

e-mail: nicoletta.marinelli@unimc.it

degree course: M35-FIT/22

degree class: LM-16

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: SECS-P/11

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) Barbara Alemanni, *Finanza comportamentale. Scoprire gli errori che ci fanno perdere denaro.*, Egea, Milano, 2020,
2. (A) Alfonso Del Giudice, *La finanza sostenibile. Strategie, mercato e investitori istituzionali.*, Giappichelli Editore, Torino, 2019,

aims:

Overall, the objective of the course is to complement mainstream finance programme and provide a thorough understanding of two cutting-edge topics in the financial markets: behavioral finance and sustainable finance.

prerequisites:

Students should have a good knowledge of the basics of finance and financial intermediation.

content:

Module I - Behavioral finance:

- Introduction to behavioral finance
- Theoretical assumptions of the behavioral finance (Prospect Theory, Market Efficiency, Behavioral Portfolio Theory)
- Cognitive and emotional biases
- De-biasing process
- Technology and behavioral finance

Module II - Sustainable finance:

- The development of sustainable finance
- Products, subjects and financial architectures in the market of sustainable finance
- The regulation of sustainable finance
- ESG and climate risks
- The economic value of sustainability

Lessons will be followed by practical classes, Project works and seminars.

FINANZA INNOVATIVA PER LA CRESCITA STRATEGICA DELL'IMPRESA

Prof.ssa Barbara Fidanza

e-mail: barbara.fidanza@unimc.it

degree course: M35-FIT/22

degree class: LM-16

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: SECS-P/09

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) Dell'occhio-Lucchini-Pirrone, *Mergers & Acquisitions*, EGEA, Milano, 2021,
2. (A) Stephen L. Nesbitt, *Private Debt: Opportunities in Corporate Direct Lending*, Wiley, NY, 2019,
3. (A) A. Gervasoni, *Finanza Alternativa per l'economia reale*, GueriniNext, Torino, 2021,

aims:

The course aims to provide students with the conceptual tools and operational levers to design and implement financial transactions with strategic importance for the company.

prerequisites:

Knowledge of the principles and applications of the fundamentals of financial evaluation, the theoretical assumptions and operational tools for analysing the economic and financial equilibrium of a company.

content:

- Design and implementation of stock exchange listing. Capital transactions of listed companies.
- External growth, restructuring and M&A initiatives.
- The architecture of acquisition processes. Strategic and economic evaluation of transactions.
- Technical aspects of the acquisition process. The subsequent management of the acquired company.
- Leveraged buyouts.
- Minibonds. The process of issuing a minibond and the size of the market for SMEs.
- Direct lending. The market context, investors and the market for Italian SMEs.
- Private equity and venture capital. Characteristics, the market in Italy and the contribution of business angels.

FINTECH E BLOCKCHAIN

Prof. Gian Luca Comandini

BLOCKCHAIN

e-mail: glcomandini@gmail.com

degree course: M35-FIT/22

degree class: LM-16

logistic sharing: classe LM-77

total hours of tuition: 20

European Credit Transfer and Accumulation System (ECTS): 3

Discipline Scientific Sector: ING-INF/05

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) Gian Luca Comandini, *Da zero alla luna*, Flaccovio, Roma, 2020, 224

aims:

The course aims to explain the functioning and fundamentals of blockchain technology.

prerequisites:

Basic knowledge of computer science and financial economics may facilitate attendance of the course.

content:

History of money and the 2008 crisis

Concept of Trust

Bitcoin History

About Satoshi Nakamoto

Bitcoin Protocol

Bitcoin White Paper

Cryptography

Blockchain Technology

Smart Contracts

Case Histories

Asymmetric Cryptography

Mempool concepts, transaction cycle, Bitcoin Block

Types of nodes: Full Nodes, SPV nodes and Mining nodes

PoW mining, hashcash and mining farms

The structure of Bitcoin

Wallet, Exchange and non-custodial holding

Centralised Vs Decentralised Finance

Altcoins, coins and tokens

What are NFTs

Features

How to create an NFT

History of NFTs

Platforms and how to use them

Collectibles

Cryptoart and Copyright

Legal Aspects

FINTECH E BLOCKCHAIN

Prof. Luca Romeo

FINTECH

e-mail: l.romeo@univpm.it

degree course: M35-FIT/22

degree class: LM-16

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: ING-INF/05

module type: -

semester: I Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (C) Marcos Lopez de Prado, *Advances in Financial Machine Learning*, Wiley, New Jersey, 2018,

aims:

The main objective of this course is to provide a basic introduction to artificial intelligence (AI) and machine learning (ML) applied in the financial (FinTech) domain.

prerequisites:

Basic knowledge of statistics and computer science

content:

- Introduction to Machine Learning
- Machine Learning and FinTech: examples of tasks
- Lab: use of Python for Machine Learning
- Lab: examples on real-world financial use cases

GESTIONE DEI RISCHI

Prof.ssa Nicoletta Marinelli

GESTIONE DEI RISCHI E STRUMENTI DERIVATI

e-mail: nicoletta.marinelli@unimc.it

degree course: M35-FIT/22

degree class: LM-16

total hours of tuition: 60

European Credit Transfer and Accumulation System (ECTS): 9

Discipline Scientific Sector: SECS-P/11

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) A. Resti, A. Sironi, *Rischio e valore nelle banche. Misura, regolamentazione, gestione.*, Egea, Milano, 2008, Capitoli 1-23.
2. (A) John C. Hull, *Opzioni, Futures e altri derivati*, Pearson, Prentice Hall, Milano, 2021, I capitoli saranno segnalati in calce alle slide fornite dalla docente.

aims:

The aim of the course is to provide theoretical and empirical tools to identify, measure and manage risks related to the banking activity. A specific section will be devoted to the understanding of financial derivatives and their trading.

prerequisites:

Students should have a good knowledge of the basics of financial instruments, financial intermediation and financial mathematics.

content:

INTRODUCTION

- The main risks related to the banking activity and the role of capital in the perspective of prudential supervision

PART I: INTEREST RATE RISK

PART II: MARKET RISK

PART III: CREDIT RISK

PART IV: OTHER RISKS AND CAPITAL ALLOCATION

- Liquidity risk
- Operational risk
- The regulation of banks' capital (the 1988 Basel Capital Accord and the New Basel Capital Accord)
- The second and third pillars: principles and main content
- New banks' capital regulation (Basel III-IV)

PART V: FINANCIAL DERIVATIVES (Forwards, Futures, Swaps, Options)

INFORMATICA E ANALISI DEI BIG DATA

Prof.ssa Luisa Scaccia

ANALISI DEI BIG DATA

e-mail: luisa.scaccia@unimc.it

degree course: M35-FIT/22

degree class: LM-16

logistic sharing: classe LM-77

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: SECS-S/01

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) Gareth, Witten, Hastie, Tibshirani, *Introduzione all'apprendimento statistico*, Piccin, Padova, 2021, 1-6

aims:

Provide a set of tools for modeling and understanding complex and big datasets. Make students familiar with the statistical software R for the implementation of the various methods for statistical learning considered in the course.

prerequisites:

None

content:

Linear regression, logistic regression, linear discriminant analysis. Cross-validation and bootstrap. Ridge regression, lasso, principal components regression, partial least squares.

INFORMATICA E ANALISI DEI BIG DATA

Prof. Luca Romeo

INFORMATICA

e-mail: l.romeo@univpm.it

degree course: M35-FIT/22

degree class: LM-16

total hours of tuition: 20

European Credit Transfer and Accumulation System (ECTS): 3

Discipline Scientific Sector: INF/01

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (C) Cay S. Horstmann, Rance D. Necaise, M. Dalpasso, *Concetti di Informatica e fondamenti di Python*, Maggioli Editore, \cf0, 2019,
2. (C) A. Agresti, C. Franklin, *Statistica - l'arte e la scienza d'imparare dai dati*, Pearson Italia, Milano, 2016,
3. (A) Christopher M. Bishop, *Pattern Recognition and Machine Learning*, Springer, USA, 2006,

aims:

To provide students the skills to apply statistical approaches to explain and solve real-world problems, through the use of the Python programming language.

prerequisites:

Basic knowledge of statistics and computer science

content:

1. Introduction to statistics
2. Exploring data through graphs and analytical indicators
3. Introduction to machine learning
4. Introductory elements for Big Data analysis and Machine learning
4. Applications and analysis of Machine Learning on real data using Python

TEORIA E METODI MATEMATICI PER LA FINANZA

Prof.ssa Elisabetta Michetti

e-mail: elisabetta.michetti@unimc.it

degree course: M35-FIT/22

degree class: LM-16

total hours of tuition: 60

European Credit Transfer and Accumulation System (ECTS): 9

Discipline Scientific Sector: SECS-S/06

module type: -

semester: I Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (C) C. P. SIMON - L. E. BLUME, *Mathematics for Economists*, W W Norton & Co Inc, Londra, 1994, Chapters 14,16,17,18,22,30

2. (C) D'Ecclesia Gardini, *Apunti di Matematica Finanziaria vol 2*, Giappichelli, Torino, 2019,

aims:

The students will be able to use the main mathematical instruments to study and solve optimization problems in finance.

prerequisites:

Contents of the course: general mathematics

content:

Methods and techniques of unconstrained and constrained optimization (even with more variables and more constraints). Mathematical theory of the financial portfolio (Markovitz portfolio selection, CAPM etc.). MatLab software will be employed to enable students to develop practical applications.

CORPORATE FINANCIAL REPORTING AND ANALYSIS

MOD. A

Prof. Francesco Campanari

e-mail: francesco.campanari@unimc.it

degree course: M35-IFE/22

degree class: LM-16

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: SECS-P/07

module type: -

semester: n/i

(A)=Adopted, (C)=Recommended textbooks:

1. (C) Jerry J. Weygandt, Paul D. Kimmel, Donald E. Kieso, *Financial Accounting Ifrs Edition*, John Wiley & Sons Inc, London, 2015, 100+

aims:

The aim is to provide knowledge regarding Italian and IFRS financial statement. Moreover, the use of tools (XBRL, Ratios, Profitability analysis etc.) in order to make efficient and effective decisions.

prerequisites:

knowledge of English

content:

1. Introduction to Financial Statement and Other Financial Reporting Topics;
2. IFRS and Italian GAAP: similarities and differences;
3. Overview of financial statement analysis and valuation of the main items;
4. Balance sheet;
5. Income statement;
6. Cash flow statement;
7. Notes;
8. Framework and main principles in the IFRS approach;
9. XBRL;
10. Basics of firm valuation;
11. Examples and practical cases regarding firm evaluation;
8. Framework and main principles in the IFRS approach;
9. XBRL;
10. Basics of firm valuation;
11. Examples and practical cases regarding firm evaluation;

CORPORATE FINANCIAL REPORTING AND ANALYSIS

MOD. B

Prof. Francesco Campanari

e-mail: francesco.campanari@unimc.it

degree course: M35-IFE/22

degree class: LM-16

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: SECS-P/07

module type: -

semester: n/i

(A)=Adopted, (C)=Recommended textbooks:

1. (C) Bob Tricker, *Corporate Governance: Principles, Policies and Practices*, OUP Oxford, UK, 2019, 100+
2. (C) Ray Whittington, Kurt Pany, *Principles of auditing & other assurance services*, McGraw Hill LLC, New York, 2021,

aims:

The aim is to provide knowledge on the utilization of instruments for optimizing entrepreneurship, business positioning and financial reporting. the aim is also to underline the central figure of the external auditor according to the ISA

prerequisites:

knowledge of English

content:

1. Company evaluation and its methods;
2. Corporate governance and corporate integrity;
3. "Financial" and "non financial" companies;
4. The external auditor and the International standards on auditing (ISA);
5. The importance of the final opinion;

DIGITAL E SOCIAL MEDIA MARKETING

Prof. Giacomo Gistri

e-mail: giacomo.gistri@unimc.it

degree course: M35-IFE/22

degree class: LM-16

logistic sharing: classe LM-19

total hours of tuition: 60

European Credit Transfer and Accumulation System (ECTS): 9

Discipline Scientific Sector: SECS-P/08

module type: -

semester: I Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) Tuten, T. L., Solomon M. R., *Social media marketing*, Pearson, Milano, 3° edizione, 2020, tutto
2. (A) Di Domenica N., Redivo A., Rozzoni E., Crippa G., *Digital Marketing*, Pearson, Milano, 2020, Capitoli 1, 6, 7, 8, 9, 10
3. (A) Giacomo Gistri, *Reputazione aziendale e crisis management*, Franco Angeli, Milano, 2018, tutto
4. (C) Ricotta F., *Marketing nell'era dell'iperconnessione*, Pearson, Milano, 2020,
5. (C) Mandelli A., *Intelligenza artificiale e marketing*, Egea, Milano, 2018,
6. (C) Kotler P., Kartajaya H., Setiawan I., *Marketing 5.0. Tecnologie per l'umanità*, Hoepli, Milano, 2021,

aims:

The objectives of the course is to provide to the students a strong theoretical framework about digital and social media marketing

prerequisites:

To have a marketing basic knowledge.

content:

Through 50 hours of dialogical frontal teaching and 10 hours of practice, the following topics will be addressed:

- digital transformation in companies;
 - the business processes that are involved in the digitalization of a company;
 - reporting tools and campaign monitoring;
 - comparison between traditional and digital contact channels;
- the concept of reputation
- the measurement of reputation
- crisis management processes and communication
- The social media environment
- Social consumers
- Tactical planning and implementation
- Social Media Analytics

ECONOMETRICS FOR IMPACT EVALUATION

Prof. Antonio Pacifico

e-mail: antonio.pacifico@unimc.it

degree course: M35-IFE/22

degree class: LM-16

total hours of tuition: 60

European Credit Transfer and Accumulation System (ECTS): 9

Discipline Scientific Sector: SECS-P/05

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) Stock, James H. and Watson, Mark W., *Introduction to Econometrics*, Pearson, Milan, 2019, According to the Teacher
2. (C) Wooldridge, Jeffrey M., *Econometric Analysis of Cross Section and Panel Data*, The MIT Press, London, 2010, According to the Teacher

aims:

The purpose of the course is to provide the necessary tools for a thorough understanding of the theory beyond classical econometric models.

prerequisites:

Data Analysis and Descriptive Statistics.

content:

Simple and Multiple Linear Regression; Some Non-linear Regression Functions; Panel Data; Difference in differences.
Statistical-econometric Software: RStudio.

ECONOMIC POLICY

Prof. Paolo Ramazzotti

e-mail: ramazzotti@unimc.it

degree course: M35-IFE/22

degree class: LM-16

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: SECS-P/02

module type: -

semester: I Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) J. Reardon, M.A. Madi, M.S. Cato, *Introducing a New Economics*, Pluto Press, London, 2018, Chs 1-8, 13-18
2. (A) A.K. Dutt, *Pathways to Economic Development*, Oxford University Press, Oxford, 2014, chs 2, 3, 4

aims:

The aim of the course is to allow students to understand what goals policymakers pursue and how they pursue them. It also provides the skills to understand the degrees of discretion that economic actors, including policymakers, have.

prerequisites:

Basic knowledge of microeconomics and macroeconomics

content:

1. Economics and economic models
2. Sustainability
3. Power and inequality
4. Work, unemployment and employment
5. Money
6. Consumption, investment and savings
7. Recessions and financial crises
8. Development: domestic features
9. Development: global features
10. Contemporary trends

FINANCIAL CRISES

Prof.ssa Domenica Tropeano

e-mail: tropeano@unimc.it

degree course: M35-IFE/22

degree class: LM-16

total hours of tuition: 20

European Credit Transfer and Accumulation System (ECTS): 3

Discipline Scientific Sector: SECS-P/01

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

(to be specified)

aims:

The main objective is to make the students understand how international financial markets work in reality and not only in textbook descriptions.

prerequisites:

basic knowledge of monetary economics, financial instruments and markets.

content:

It is an applied course that focusses on the last big financial crisis and on the monetary policy tools used to overcome it in the Us and in the Eurozone.

FIRMS AND TRENDS IN GLOBAL MARKETS

Prof. Dong Nguyen xuan

e-mail: _

degree course: M35-IFE/22

degree class: LM-16

logistic sharing: classe LM-77

total hours of tuition: 60

European Credit Transfer and Accumulation System (ECTS): 9

Discipline Scientific Sector: SECS-P/01

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

(to be specified)

aims:

(to be included)

prerequisites:

(to be included)

content:

(to be included)

INTERNATIONAL CONTRACT LAW AND INVESTORS LAW

Prof. Tommaso Febbrajo

e-mail: t.febbrajo@unimc.it

degree course: M35-IFE/22

degree class: LM-16

total hours of tuition: 80

European Credit Transfer and Accumulation System (ECTS): 12

Discipline Scientific Sector: IUS/01

module type: -

semester: I Semestre

(A)=Adopted, (C)=Recommended textbooks:

(to be specified)

aims:

To handle legal instruments of the bargaining that takes place in the global market.

The student is thus able to work professionally in the field of international trade and the international organizations of business and non-profit.

prerequisites:

Basics of Private and commercial law

content:

Both for attending and not attending students, the course covers letters of intent; recitals in international contracts; interpretation clauses; best efforts, reasonable care, due diligence, and general trade standards in international contracts; confidentiality clauses in international contracts; penalty clauses; limitation of liability and exemption clauses; force majeure clauses; hardship clauses; "English clauses," most-favored customer clauses, and first-refusal clauses; assignment clauses; termination clauses; and post-contractual obligations in international contracts. Sales of goods, Agency and distribution. European investor's law: Mifid I e Mifid II.

INTERNATIONAL MARKETING

Prof.ssa Patrizia Silvestrelli

MOD. A

e-mail: patrizia.silvestrelli@unimc.it

degree course: M35-IFE/22

degree class: LM-16

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: SECS-P/08

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) Cateora P.R., Graham J., Gilly M.C., *International Marketing*, McGraw-Hill, UK, 2019,
2. (C) Czinkota M.R., Ronkainen I.A., *International Marketing*, South-Western Publishing Co., OH, USA, 2013,

aims:

The course is aimed at providing students with the knowledge and tools to comprehend the main issues about marketing products and services around the world both on a strategic and an operational level.

prerequisites:

General Management
Microeconomics

content:

The content of the course includes the following topics:

Part I - The international marketing environment

International marketplace

Economic environment

Trade policy and institutions

Cultural environment

Legal and political environment

Emerging markets

Part II - International market entry

Strategic planning

Research process

Market analysis and segmentation

Market entry and expansion

Part III - Developing global marketing strategies

Global product management and branding

International logistics and material management

Global pricing

Integrated marketing communication and international advertising

Channel distribution and international sales management

INTERNATIONAL MARKETING

Prof.ssa Parissa Haghirian

MOD. B

e-mail: _

degree course: M35-IFE/22

degree class: LM-16

total hours of tuition: 20

European Credit Transfer and Accumulation System (ECTS): 3

Discipline Scientific Sector: SECS-P/08

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (C) Jin B. - Cedrola E., *Fashion Brand Internationalization*, Palgrave, 1, 2016,

aims:

See above

prerequisites:

See above

content:

See above

INTERNATIONAL TRADE LAW

MOD. APPLIED

e-mail: _

degree course: M35-IFE/22

degree class: LM-16

logistic sharing: classe LM-52

total hours of tuition: 20

European Credit Transfer and Accumulation System (ECTS): 3

Discipline Scientific Sector: IUS/04

module type: -

semester: n/i

(A)=Adopted, (C)=Recommended textbooks:

(to be specified)

aims:

(to be included)

prerequisites:

(to be included)

content:

(to be included)

INTERNATIONAL TRADE LAW

Prof.ssa Federica Monti

MOD. THEORY

e-mail: federica.monti@unimc.it

degree course: M35-IFE/22

degree class: LM-16

logistic sharing: classe LM-52

total hours of tuition: 20

European Credit Transfer and Accumulation System (ECTS): 3

Discipline Scientific Sector: IUS/04

module type: -

semester: n/i

(A)=Adopted, (C)=Recommended textbooks:

1. (A) R. Cavalieri - V. Salvatore, *An introduction to international contract law (Second edition)*, Giappichelli Ed., Torino, 2019, Chapter 1-7; 10-11 + INCOTERMS

aims:

Provide students with theoretical basis of the international rules that govern international trade and investment through the analysis of case histories.

prerequisites:

None

content:

Programma

SYLLABUS (3 CFU)

(This Syllabus shall be intended for ALL students. A dedicated syllabus might be agreed with students according to their own particular situation, i.e. CFU recovery etc.)

- International trade law
- IPRs- related issues
- International contracts
- International commercial dispute resolution systems
- Emerging countries

INVESTMENTS ANALYSIS AND FINANCIAL RISK MANAGEMENT

MOD. A

INVESTMENTS ANALYSIS

Prof.ssa Emanuela Giacomini

e-mail: EMANUELA.GIACOMINI@unimc.it

degree course: M35-IFE/22

degree class: LM-16

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: SECS-P/11

module type: -

semester: n/i

(A)=Adopted, (C)=Recommended textbooks:

1. (A) Brealey, Mayers and Allen, *Principles of Corporate Finance*, McGraw-Hill, USA, 2017, 1,2,3,4,5,6, 7, 8, 14, 18

aims:

This course provides an in-depth discussion of fundamental principles related to corporate finance. The main objectives of this class include understanding how to value a project, how securities are priced and how to finance a project.

prerequisites:

Basic of Financial Mathematics

content:

Introduction to Corporate Finance

Net present Value and Other Investment Criteria/Making Investment Decisions with the NPV rule

Valuing Bonds

Valuing Common Stocks

Risk and Return/Capital Asset Pricing Model

6 Corporate Financing/How much should a corporation borrow?

INVESTMENTS ANALYSIS AND FINANCIAL RISK MANAGEMENT

FINANCIAL RISK MANAGEMENT

MOD. B

Prof.ssa Nicoletta Marinelli

e-mail: nicoletta.marinelli@unimc.it

degree course: M35-IFE/22

degree class: LM-16

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: SECS-P/11

module type: -

semester: n/i

(A)=Adopted, (C)=Recommended textbooks:

1. (A) J.C. Hull, *Options, Futures and Other Derivatives*, Pearson, Prentice Hall, Upper Saddle River, 2011,
2. (A) Brealey R., Myers S. and F. Allen, *Principles of Corporate Finance*, McGraw-Hill, NY, 2011, 20,21,26,27

aims:

The aim of this course is to provide a thorough understanding of financial risk management techniques designed to maximize value of firm. A part of the course is devoted to the analysis of derivatives and their uses in risk management.

prerequisites:

Enrolled students are expected to have familiarity with basic concepts of capital markets and finance. The level of mathematical complexity involved in these topics will be manageable.

content:

The course is divided into three parts:

1. Concepts and the economics of Risk Management
2. Tools for Financial Risk Management
3. The practice of Risk Management

The first part of the course will address the general concepts of corporate risk management, trying to shed light on why firms (should) hedge. The second part is more technical and it will cover the tools for hedging risks (in particular, financial derivatives). The last part will help students understand how a hedging strategy can be designed and put into action to be effective.

MATHEMATICAL METHODS FOR ECONOMICS AND FINANCE

Prof. Mauro maria Baldi

e-mail: _

degree course: M35-IFE/22

degree class: LM-16

total hours of tuition: 60

European Credit Transfer and Accumulation System (ECTS): 9

Discipline Scientific Sector: SECS-S/06

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (C) C. P. SIMON - L. E. BLUME, *MATHEMATICS FOR ECONOMISTS*, W W NORTON & CO INC, LONDRA, 1994, 14,16,17,18,22,30
2. (C) Castagnoli Cigola Peccati, *Financial calculus with applications*, Egea, Cesano Boscone, 2013, 1,4,10,13
3. (C) F. S. Hillier, G. J. Lieberman, *Operations Research*, McGraw Hill, eleventh edition, 2020,
4. (C) E. T. Dowling, *Introduction to Mathematical Economics*, Schaum's Outline Series, McGraw-Hill, 2001,

aims:

THE STUDENTS WILL BE ABLE TO USE THE MAIN MATHEMATICAL INSTRUMENTS TO STUDY AND SOLVE OPTIMIZATION PROBLEMS IN ECONOMICS AND FINANCE.

prerequisites:

Calculus and basic Mathematics.

content:

The student will be able to address financial flow problems.

The student will also learn linear algebra topics (matrices, eigenvalues, eigenvectors and quadratic forms) and will be able to solve unconstrained and constrained optimization problems with economic and financial applications.

These problems will also be addressed using the Matlab optimization toolbox.

PORTFOLIO THEORY

Prof. ssa Mihaela Nicolau

PORTFOLIO THEORY MOD. A

e-mail: m.nicolau@univ-danubius.ro

degree course: M35-IFE/22

degree class: LM-16

total hours of tuition: 40

European Credit Transfer and Accumulation System (ECTS): 6

Discipline Scientific Sector: SECS-S/06

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) Bodie, Z., Kane, A., Marcus, A., *Investments*, 12 ed., McGrawHill, NY, 2021, 5,6,7,8,9,10,11,12, 24,25,26,27.

2. (C) Bodie, Z., Kane, A., Marcus, A., *Essentials of Investments* 12ed., McGrawHill, New York, 2022, Part 2 - Portfolio Theory

3. (C) Elton, Edwin J., Gruber, Martin J., Brown, Stephen J., Goetzmann, William N., *Modern portfolio theory and investment analysis*, Wiley, NY, 2014, Parts 2 and 2

aims:

- to develop an understanding on how to optimally allocate funds across alternative asset classes to form a portfolio,
- to expand the knowledge of CAMP and to use alternative models in determining the expected returns
-

prerequisites:

basic finance, statistics and mathematics.

content:

This course module covers aspects of investing in financial markets, from the perspective of portfolio theory, through cases, assignments, and exercises on market data.

Specifically, the course consists of the following:

- Introduction (Brief review on statistics and investment theory and tools: risk, return, portfolio mathematics and utility theory)
- Capital allocation and efficient diversification
- Index models
- CAPM and APT
- Multifactor models
- Efficient Market Hypothesis

PORTFOLIO THEORY

Prof. ssa Mihaela Nicolau

PORTFOLIO THEORY MOD. B

e-mail: m.nicolau@univ-danubius.ro

degree course: M35-IFE/22

degree class: LM-16

total hours of tuition: 20

European Credit Transfer and Accumulation System (ECTS): 3

Discipline Scientific Sector: SECS-S/06

module type: -

semester: II Semestre

(A)=Adopted, (C)=Recommended textbooks:

1. (A) Bodie, Z., Kane, A., Marcus, A., *Investments*, 12 ed., McGrawHill, NY, 2021, 24, 25, 26, 27.
2. (C) Bodie, Z., Kane, A., Marcus, A., *Essentials of Investments* 12ed., McGrawHill, New York, 2022, Part 6 - Active Investment Management
3. (C) Elton, Edwin J., Gruber, Martin J., Brown, Stephen J., Goetzmann, William N., *Modern portfolio theory and investment analysis*, Wiley, NY, 2014, Parts 4 and 5

aims:

- to develop an understanding on how to optimally allocate funds across alternative asset classes to form a portfolio,
- to expand the knowledge of CAMP and to use alternative models in determining the expected returns
-

prerequisites:

basic finance, statistics and mathematics, portfolio theory (mod.A)

content:

This module adds supplementary contents to the course Portfolio Theory Module A, as following:

- Investment analysis and strategies: technical analysis, fundamental analysis, active and passive portfolio management
- Portfolio performance evaluation
- International diversification