

GRADUATE/MASTER Course Offerings in English

Last updated: 12 February 2024

Variation may occur; please use this as a general guide only. Credits, course requirements, and eligibility vary.

More information about each institution is available at <http://www.magellanexchange.org/partners/>.

Vorarlberg University of Applied Sciences - Dornbirn, Austria

FALL 2023 SEMESTER

Mechatronics

Advanced Finite Element Analysis
Applied Robotics
Digitization of Production
Directed Research Seminar

Embedded Systems III
Higher Mathematics III
Sensor Systems

Sustainable Energy Systems

Advanced Finite Element Analysis
Efficient Systems Project
Efficient Systems – Selected Chapters
Electrical Power Systems
Energy Markets & Trading
Energy Project – Business Plan

Energy Transmission
Financing & Economic Viability
Internet of Energy
Seminar Master Thesis
Smart Buildings Project

Spring 2024 SEMESTER

Business

Business Communication
Data Collection & Interpretation
Digital Business Management
Leadership Skills Lab

Leading Change & Transformation
Multinational Organizations & Strategy
Research Methods
Responsible Management

Computer Science

Applied Advanced Web Architectures & Software Design
Architectures & Security in Distributed Systems
Communication Systems
Computer Vision
Concepts of Adv. Web Architectures & Software Design

Domain Specific Software Engineering Processes
Evolutionary Algorithms & Optimization
Parallel Computing & Concurrent Programming
Software Processes
Stream Processing Systems

Mechatronics

Creating Innovations & Solving Probs. w/Design Thinking
Digital World: Technology, Society & Ethics
Disruptive Technologies

Human Rights in the Professional Context
Introduction to Financial Markets – Overview
Introduction to the Social & Solidarity Economy

Sustainable Energy Systems

Energy & Society
Economic & Energy Law

Sustainability Management

FALL 2023 SEMESTER

Some courses must be taken together. Please refer to the School's course list on their Magellan profile page for requirements regarding how courses need to be grouped.

Business – Level 5

Accounting in the Digital Age	International Trade & Finance
Advanced Accounting & Consolidation	Interpersonal Communication Skills
Advanced Corporate Finance	Introduction to Business Analytics
Applied Economics	Introduction to Data Science for Business
B2B Marketing	Introduction to Financial Econometrics
Coding & Data Science for Accounting & Finance	Introduction to Supply Chain Management
Coding & Data Science for Finance	Luxury Marketing Strategy
Consumer Behavior in a Sustainable Environment	Management & Cost Accounting
Contemporary Brand Management	Managing Yourself & Building Positive Relationships
Contemporary Trend in the Luxury Industry	Marketing of Innovation
Coordination in Supply Chain Management	Media Studies for Sports & Tourism Sectors
Data Management	Merchandising in Sports & Tourism Sectors
Data Science for Negotiation & Business Development	Omni-Channel Consumer Behavior
Database for Direct Marketing and E-CRM	Optimization & Simulation
Develop. & Marketing of New Products in a Sust. Environ.	People Management & Cross-Cultural Leadership
Digital Marketing & Branding	Procurement & Inventory Management
Economic Modeling	Programming for Data Analytics
Ethics & Corporate Social Responsibility in Finance	Project Management
Exchange Markets	Quality Management & Lean Supply Chain
External Auditing	Quantitative Finance
Financial & Managerial Accounting: Fundamentals	Sales & Purchasing in Sport & Tourism Industry
Financial Theory	Sport Marketing & Sponsorship
Financial Tool Box	Sports & Tourism Mgmt & Sustainable Development
Global Marketing Strategy	Statistical Modeling for Business
Global Organization Behavior	Strategic Core Competencies for IHRM Professionals
Global Talent Management	Supply Chain Analytics & Digitalization
Integrating Online & Offline Marketing Communications	Sustainable Supply Chain & Green Logistics
International & Comparative Employment Law	Time Series Analysis
International Negotiation & Business Development	Tourism Marketing & Management
International Sourcing & Procurement	

SPRING 2024 SEMESTER

Some courses must be taken together. Please refer to the School's course list on their Magellan profile page for requirements regarding how courses need to be grouped.

Business – Level 5

Advanced Analytics in Logistics	HRM in Action
Advanced Analytics in Production Systems	International & EU Business Law
Advanced Brand Management	International Financial Regulation
Advanced Strategy	International Financial Reporting
Alternative Investments	International Marketing Management
AI & FinTech	International Sport Policies & Sport Organization Mgmt.
B2B Marketing	International Taxation
Blockchain & Crypto Assets	Introduction to Global Supply Chain Management
Commercial Law & Contract Negotiation	Islamic Finance
Corporate Design & Brand Identity in Sports & Tourism	Legal Environment of Sports & Tourism Sector
Corporate Governance: an Overall Perspective	Managing Change & Complexity
Corporate Social Responsibility	Managing Global Employment Relations
Customer Data Analysis	Managing Risks & International Business Law
Customer Experience Management	Management Control
Cyber Security Management	Management of Int'l. Negotiation & Business Develop.
Data Driven SCM	Marketing Intelligence & Pricing Strategy
Deep Learning in Neural Networks for Finance	Marketing Research in a Digital Environment
Designing User Experience & Web Analytics	Mergers & Acquisition: International Perspective
Digital Advertising & Communication	Omni-Channel Distribution & Retail Management
Digital & Influencer Marketing in the Luxury Industry	Omni-Channels in the Luxury Industry
Digitalization and Cybersecurity of HRM	Operational Core Competencies in HRM
Distribution & Transportation Management	Production & Information Systems
e-Marketing	Production Systems
Empirical Methods in Finance	Project Management Tool Box
Events Management in Sports & Tourism Sectors	Purchasing Management
Financial Data Infrastructure	Recent Topics in AI & Finance
Financial Economics	Retail Analytics
Financial Engineering & Commodity Trading	Sales Strategy & Management
Financial Management & Business Advisory	Social Media Intelligence
Financial Toolbox	Strategic Management
Forensic Accounting	Strategic Sourcing & Supply Management
Global Diversity & Equality Management	Supply Chain Risk Management
Global Supply Chain & International Trade	Sustainable Design & Brand Identity in Luxury Industry
Hospitality Management	Web Based Project Management

FALL 2023 SEMESTER

Aerospace Engineering (Aachen campus)

Advanced Aerospace Engineering

General Aerospace Engineering

Chemistry & Biotechnology (Jülich campus)

Business Administration

Nuclear Physics

Fundamental Skills I

Nuclear Physics & Radiation Detection

Medical Physics

Nuclear Technology

Nuclear Chemistry I & II

Scientific Skills

Nuclear Chemistry & Radiation Biology

Energy Systems (Jülich campus)

Advanced Control Systems

Plant Design

CARNOT: Simulation Program for Solar Thermal Systems

Power Plant Technology

Chemical Reaction Theory

Simulation & Optimization in Virtual Engineering

Energy, Economy & Energy Policy

Solar Technologies

Finite Elements

Mechanical Engineering & Mechatronics (Aachen campus)

Advanced Engineering Mathematics

Fundamentals of Mechanical Engineering

Advanced Motion Control

Mechatronic Systems Simulation

Analog & Digital Control Technology

MEMS/Microtechnology

Fundamentals of Electrical Engineering

Sensors & Actuators

Nuclear Applications (Jülich campus)

Applied Data Analysis

Modeling & Simulation

Focus Field

Project Nuclear Applications

Fundamentals of Nuclear Science

Radiation Detection

Fundamental Skills I & II

Scientific Skills

SPRING 2023 SEMESTER

Aerospace Engineering (Aachen campus)

Advanced Aerospace Engineering

General Aerospace Engineering

Business (Aachen campus)

Cross-Cultural Competencies

International Economics

Customer Integration

International Supply Chain Management

Governance & Responsibility

Management of Sales & Services

Energy Systems (Jülich campus)

Development of Functional Safe Systems

Simulation Methods

Electric Power Systems

Turbomachinery

Mechanical Engineering & Mechatronics (Aachen campus)

Autonomous Mobile Robotic Systems

Systems Engineering

Nuclear Applications (Jülich campus)

Focus Field

Nuclear Applications I & II

Nuclear Chemistry

Nuclear Physics

Schmalkalden University of Applied Sciences – Schmalkalden, Germany

FALL 2024 SEMESTER

Business, Economics, & Business Law

Digital Marketing

Digital Transformation & Data Value

Finance & Economics of Digital Markets

Financial Instruments

Financial Markets

International & European Economic Law

International Monetary Economics

Investment Appraisal

Organizational Behavior

Political Philosophy

Purchasing Strategy

Sustainable Finance

SPRING 2024 SEMESTER

Business, Economics, & Business Law

Automotive Technology Management

Behavioral Finance & Investments

Business Planning

Econometrics & Financial Data Analysis

Economic Philosophy

Economics & Finance of Risk & Uncertainty

International Business Taxation

International Human Resources Management

Labor Economics

Management Control Systems

Philosophy of Science

Strategic Brand Management

Valuation & Financial Analysis

Computer Science

Agile Project Management & Software Development

Computational Intelligence

Media Production

Mobile Systems

Selected Chapters Functional Programming

Electrical Engineering

Digital Signal Processing for Engineering Applications

Sensor Systems

University of Belgrade (Faculty of Economics) – Belgrade, Serbia

FALL 2024 SEMESTER

Business

Accounting Information for Decision Making
Applied Macro-Finance
Applied Microeconomics
Asset Pricing
Big Data Management
Business Process Management
Corporate Financial Reporting
Developing Software Solutions
Digital Tools
Direct & Indirect Taxes
Economics of Taxation – Principles & Policy
Information System Management
Intermediate Econometrics

Intermediate Public Finance
Investments
Machine Learning & Data Mining
Mathematics & Modelling for Economics & Finance
Methodology of Scientific Research
Microeconometrics
Organization & Management
Principles of Tax Law & Tax Procedure
Research Seminar
Stochastic Calculus for Finance
Tax Accounting
Topics in Finance
Welfare Economics

SPRING 2024 SEMESTER

Business

Advanced Digital Tools
Applied Macro-Finance
Behavioral Economics & Finance
Business Analytics & Decision Making Using Data
Business Econometrics & Data Analysis
Corporate Finance
Derivatives
Digitalization & Taxation
Digital Marketing
E-Commerce
Ethical Issues in Tax Practice
EU Company Law
EU Tax Law

Fixed Income Securities
Growth Theory & Economic Policy
Intermediate Labor Economics
Intermediate Macroeconomics
Intermediate Strategic Marketing
International Tax Planning
IT Project Management
Machine Learning & Data Mining
Policy Analysis & Impact Evaluation
Research Seminar
Risk Modeling
Taxation of Wealth & Financial Services
Topics in Economics

ESERP Business School – Barcelona, Spain

FALL 2023 SEMESTER

Business

Branding
Commercial Management
Company Policy and General Management
Economic Control and Optimization of Results
Financial Management
Global Marketing
Globalization and Internationalization of Markets

Legal and Tax Treatment of Managerial Activities
Product Strategy & Brand Positioning
Research and Marketing Science
Strategic and Operational Marketing I
Strategies and Policies of Market Management
Supply Chain Management

SPRING 2024 SEMESTER

Business

Balanced Scorecard

Negotiation and Conflict Resolution

Big Data

Digital Marketing

E-commerce

Management Skills. Leadership & Motivation

Managerial Ethics and SCR

Production Management, Operations & Logistics

Sales Force Management

Sales Forecast

Technological Innovation in Business