

Magellan Exchange

GRADUATE/MASTER Course Offerings in English

Last updated: 23 August 2023

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

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 2023 SEMESTER

Business, Economics, & Business Law

Digital Marketing

Finance & Economics of Digital Markets

Financial Instruments

International & European Economic Law

International Monetary Economics

Investment Appraisal

Organizational Behavior

Purchasing Strategy

Regional Economics

Sustainable Finance

SPRING 2024 SEMESTER

Business, Economics, & Business Law

TBD

Computer Science

TBD

Mechanical Engineering

TBD

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

FALL 2023 SEMESTER

Business

Accounting Information for Decision Making	Intermediate Public Finance
Applied Macro-Finance	Investments
Applied Microeconomics	Machine Learning & Data Mining
Asset Pricing	Mathematics & Modelling for Economics & Finance
Big Data Management	Methodology of Scientific Research
Business Process Management	Microeconometrics
Corporate Financial Reporting	Organization & Management
Developing Software Solutions	Principles of Tax Law & Tax Procedure
Digital Tools	Research Seminar
Direct & Indirect Taxes	Stochastic Calculus for Finance
Economics of Taxation – Principles & Policy	Tax Accounting
Information System Management	Topics in Finance
Intermediate Econometrics	Welfare Economics

SPRING 2024 SEMESTER

Business

Advanced Digital Tools	Fixed Income Securities
Applied Macro-Finance	Growth Theory & Economic Policy
Behavioral Economics & Finance	Intermediate Labor Economics
Business Analytics & Decision Making Using Data	Intermediate Macroeconomics
Business Econometrics & Data Analysis	Intermediate Strategic Marketing
Corporate Finance	International Tax Planning
Derivatives	IT Project Management
Digitalization & Taxation	Machine Learning & Data Mining
Digital Marketing	Policy Analysis & Impact Evaluation
E-Commerce	Research Seminar
Ethical Issues in Tax Practice	Risk Modeling
EU Company Law	Taxation of Wealth & Financial Services
EU Tax Law	Topics in Economics

ESERP Business School – Barcelona, Spain

FALL 2023 SEMESTER

Business

Branding	Legal and Tax Treatment of Managerial Activities
Commercial Management	Product Strategy & Brand Positioning
Company Police and General Management	Research and Marketing Science
Economic Control and Optimization of Results	Strategic and Operational Marketing I
Financial Management	Strategies and Policies of Market Management
Global Marketing	Supply Chain Management
Globalization and Internationalization of Markets	

SPRING 2023 SEMESTER

Business

Balanced Scorecard	Negotiation and Conflict Resolution
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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