



**Exponential  
University**  
of applied sciences

# Short Module Manual **Digital Transformation and Sustainability (M.A.)**

XU Exponential University  
of Applied Science

## SHORT FACTS

<b>Graduation</b>	Master of Arts (M.A.)	<b>Type of Study</b>	Full-time and Part-Time
<b>Scope</b>	60 ECTS	<b>Total numbers of semesters</b>	2/4 Semesters
<b>Language</b>	English	<b>Matriculation Date</b>	April / October
<b>Teaching method</b>	Seminar discussion, individual work, group work, case studies		

## Course and content of studies

### SEMESTER 1

#### DTM 3 Future Economics 5 ECTS

presentation (30%) and seminar paper (70%)

- Analyze sustainability reports and assess strategies to drive economic transformation.
- Understand the macroeconomic framework for sustainable economic activities and evaluate alternative economic models.
- Assess values, norms, and goals related to sustainability and design forward-looking solutions for businesses.

#### DTM 1 Digital Transformation 5 ECTS

presentation (30%) and seminar paper (70%)

- Evaluate digital business models and their impact on organizational strategy and operations.
- Drive sustainable innovation by designing and implementing innovative solutions aligned with corporate objectives.
- Optimize digital solutions to foster organizational growth and sustainability.

#### DTM 2 Disruptive Technologies 5 ECTS

presentation (30%) and seminar paper (70%)

- Leverage deep technologies to create value and drive transformation in business and society.
- Identify and overcome barriers to adopting emerging technologies for organizational success.
- Analyze global technology management strategies to enhance competitiveness.

#### FSK 1 New Leadership and Human Capital Management 5 ECTS

presentation

- Develop leadership skills to navigate complex organizational challenges in the digital era.
- Manage human capital effectively by fostering skills transformation and aligning with strategic goals.
- Lead teams through change management processes while building resilience and fostering collaboration.

SEMESTER 1

**SBI 1 Sustainable Business Creation**

**5 ECTS**  
presentation

- Develop sustainable business models using innovative entrepreneurship frameworks.
- Create and present business plans that integrate socio-cultural, ecological, and economic dimensions.
- Evaluate the impact of sustainability strategies on long-term business success.

**SBI 2 Impact Data Management**

**5 ECTS**  
portfolio review

- Utilize data-driven decision-making to inform sustainability strategies and business decisions.
- Design and implement statistical models to predict business impacts and enhance performance.
- Measure sustainability metrics to improve organizational practices and achieve sustainable goals.

SEMESTER 2

**FSK 2 Complex Problem Solving and Collaboration**

**5 ECTS**

- Apply systems thinking to address complex challenges in business and sustainability.
- Foster collaboration and innovation to develop creative solutions in diverse environments.
- Utilize AI and software-supported tools to enhance decision-making processes.

**MT 2 Master Thesis Set-up**

**5 ECTS**  
oral exam

- Master Thesis Colloquium : Independent development and answering of a larger scientific question, development of new knowledge in a subject area in a limited time and scientific adequate presentation
- Master Thesis Reflection/Coaching : Professional support from the exposé and structuring of the paper to the outline and systematic treatment of the topic, support in the implementation of empirical questions and the development of own lines of argumentation, advice on the observance of scientific formalities

## SEMESTER 2

**MT 1     Master Thesis****15 ECTS**  
oral exam

- Conduct in-depth research to address critical issues in digital transformation and sustainability.
- Develop data-driven insights and propose innovative strategies to tackle real-world challenges.
- Present and defend findings to stakeholders, showcasing expertise and leadership.

**MSK 5     Leadership Assessment II (Post-Test)****5 ECTS**  
presentation**IN TOTAL****60 ECTS**