COURSE OUTLINE

(1) GENERAL

SCHOOL	Royal Holloway Business School		
ACADEMIC UNIT	Faculty of Business and Law		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	MN5804	SEMESTER	Spring
COURSE TITLE	Responsible AI & Digital Innovation		
INDEPENDENT TEACHING ACTIVITIES *if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, state the weekly teaching hours and the total credits*		WEEKLY TEACHING HOURS	CREDITS / ECTS
Credits are awarded for the whole course (module)		3	15 / 7.5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail in section (4).			
COURSE TYPE *general background, special background, specialization, general education, skills development*	Special background		
PREREQUISITE COURSES	None		
LANGUAGE OF INSTRUCTION AND OF ASSESSMENT	English		
MODE OF TEACHING *in-person (%)* *synchronous distance learning (%)* *asynchronous distance learning (%)* *(In the case of synchronous distance learning, the total weekly duration of teaching is recorded)*	In-person 100%		
AVAILABILITY TO ERASMUS STUDENTS			
COURSE WEBSITE (URL)	https://aisbd.aegean.gr/en/c/responsible-ai-and-digital-innovation		

(2) LEARNING OUTCOMES

Learning Outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Brief Guide for drafting Learning Outcomes*

LO1 Identify the opportunities and challenges in the digital society, formulate strategies to respond to a dyanamic global environment and to take advantage of technological applications in achieving individual, organisational and societal goals

LO2 Critically evaluate the potential ethical, social and economic consequences of AI and digital technologies, such as privacy, justice, security, digital inequalities, implications for work, and sustainability

LO3 Draw upon social and ethical theories to explain and analyse complex phenomena in digital societies

LO4 Apply principles of Responsible Innovation and human-centred design to examine regulatory and ethical guidance for the use of AI and digital technologies by various stakeholders

LO5 Based on academic and non-academic research, raise public awareness of and develop recommendations of responsible AI and digital practice

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and are stated below), at which of the following does the course aim?

Search, analysis and synthesis of data and information, with the use of the necessary technology
Adaptability to new situations
Decision-making
Working independently
Team work
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project planning and management
Respect for difference and multiculturalism
Respect for the natural environment
Showing social, professional and ethical responsibility and sensitivity to gender issues
Criticism and self-criticism
Production of free, creative and inductive thinking
……
Other…
…….

Search, analysis and synthesis of data and information, with the use of the necessary technology
Working independently
Team work
Working in an interdisciplinary environment
Respect for difference and multiculturalism
Showing social, professional and ethical responsibility and sensitivity to gender issues
Criticism and self-criticism
Production of free, creative and inductive thinking

(3) COURSE SYLLABUS

Module Aims

This module focuses on the social and ethical implications of AI and digital technologies. We will discuss the impact and consequences of AI and digital transformation for individuals, organisations and societies in a global context. Students will be introduced to the responsible digital innovation framework and learn to apply the knowledge in relation to the design, implementation and adoption of AI and digital technologies. With an emphasis on critical thinking, the module will be research-led, drawing on up-to-date academic literature and case studies, with the emphasis on supporting students as active learners, knowledge co-creators and distributors.

Module Schedule

WEEK	Topic
1	Introduction to responsible AI and digital innovation
2	Social and ethical implications of AI and digital technologies
3	Digital labour platforms; The social shaping of digital labour platforms

4	Collective action and digital technologies
5	Implications of the use of AI for social support and health services
6	Social media – the good, the bad and the ugly
7	Environmental impact of AI and digital tech
8	Group activity: AREA-4Ps Framework for Responsible Research and Innovation in ICT / **CISCO GUEST LECTURE**
9	The Great AI Debate
10	**VISIT TO SAS CAMPUS, MARLOW**
11	Narrated Poster Presentations (in-person, you may be allocated a slot between 9 am and 6pm)

(4) TEACHING AND LEARNING METHODS - ASSESSMENT

MODE OF TEACHING *Face-to-face, distance learning, etc.*	Face-to-face
MODE AND FREQUENCY OF COMMUNICATION WITH THE STUDENTS	Face-to-face communication in weekly classes. Online communication through Moodle and emails.
ENSURING THE MODE OF COMMUNICATION AMONG STUDENTS *Team assignments and discussions, collaborative learning platforms with the use of AI, video conference, QA sessions, κ.α.*	Group work offline, and online through Microsoft Teams and Moodle Forums.
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY *Use of ICT in teaching, in laboratory training, in the communication with students*	Moodle, Microsoft Teams
TECHNOLOGICAL EQUIPMENT REQUIREMENTS	Audiovisual equipment for PowerPoint presentation
PLAGIARISM POLICY/ PLAGIARISM DETECTION TOOLS	Turnitin
ARTIFICIAL INTELLIGENCE POLICY *(1) The use of Artificial Intelligence is prohibited in all circumstances* *(2) The use of Artificial Intelligence is allowed only with the permission of the instructor* *(3) The use of Artificial Intelligence is allowed only with an explicit reference to the literature*	(3) The use of Artificial Intelligence is allowed only with an explicit reference to the literature

(4) Students are free to use Artificial Intelligence

ORGANISATION OF TEACHING

The mode and methods of teaching are described in detail.
Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, work placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artworks, etc.

The student's study hours for each learning activity are stated, as well as the hours of independent study, according to the principles of the ECTS.

Activity	*Semester workload*
Lecture	20 hours
Seminar, field trip, and poster presentation	10 hours
Guided Independent Study	120 hours
Course total	***150 hours***

STUDENT ASSESSMENT

Description of the assessment method

Language of assessment, methods of assessment, formative or summative assessment, multiple choice questions test, short answer questions, essay questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory assignment, clinical examination of patient, art interpretation, other

Specifically-defined evaluation criteria are given, and if and where they are accessible to students.

Summative Assessment Overview
- Individual narrated poster with presentation
- Weighting: 100% of total Module grade
- Word Count/Duration: 10 minutes including Q&A

Formative assessment may be provided through online peer review.

Assessment marking rubric available to students on Moodle.

(5) RECOMMENDED BIBLIOGRAPHY

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