

SOFT AND RESEARCH SKILLS DEVELOPMENT

COURSE OUTLINE

1. GENERAL			
SCHOOL	School of Engineering		
ACADEMIC UNIT	Department of Electronic Engineering		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	MH10A4	SEMESTER	255th
COURSE TITLE	Soft and Research Skills Development		

INDEPENDENT TEACHING ACTIVITIES if credits are awarded for separate components of the course	WEEKLY TEACHING HOURS	CREDITS
		5
	2	
Total	2	5

COURSE TYPE general background, special background, specialised general knowledge, skills development	
PREREQUISITE COURSES	There are no prerequisites for this course
LANGUAGE OF INSTRUCTION and EXAMINATIONS	English
OFFERED TO ERASMUS STUDENTS	Yes (in English)
COURSE WEBSITE (URL)	

2. LEARNING OUTCOMES
Learning outcomes
• Communicate scientific ideas clearly in written, oral, and digital formats. • Collaborate effectively in multidisciplinary and intercultural teams. • Apply critical thinking, problem-solving, creativity, and decision-making skills. • Demonstrate effective time management, adaptability, leadership, and conflict-resolution skills. • Formulate research questions, objectives, and testable hypotheses. • Conduct systematic literature searches and critically evaluate academic sources. • Prepare and present a structured research proposal, report, poster, or scientific presentation. • Apply principles of research ethics, academic integrity, referencing, and responsible use of artificial intelligence. • Disseminate your scientific work using social media.
General Competences
• Scientific communication across written, oral, and digital formats. • Effective collaboration in multidisciplinary and intercultural teams. • Critical thinking, problem-solving, creativity, and evidence-based decision-making. • Time management, adaptability, leadership, negotiation, and conflict resolution. • Formulating research questions, objectives, and hypotheses. • Conducting literature searches and critically evaluating scientific sources. • Applying research ethics, academic integrity, referencing standards, and responsible use of artificial intelligence. • Preparing and presenting research proposals, reports, posters, and scientific presentations. • Reflecting on personal, academic, and professional development.

3. SYLLABUS

The content of the course includes the following topics:

- How to make oral presentations in public.
- How to develop your collaboration and networking skills.
- How to develop your cultural intelligence skills.
- How to develop your critical thinking and problem-solving skills.
- How to develop your leadership skills.
- How to manage your time effectively.
- How to resolve conflict situations.
- How to read a scientific paper.
- How to write a scientific paper.
- How to prepare a poster presentation.
- Research ethics and integrity.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY

Face-to-face, Distance learning, etc.

- Synchronous lecture sessions and attendance of seminars in a hybrid format.

USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

Use of ICT in teaching, laboratory education, communication with students

- Use of a Learning Management System (e-class) for finding lecture notes and uploading your assignments.
- Use of the Zoom platform for the online sessions.
- Use of Mentimeter for polling surveys.
- Use of Kahoot to evaluate understanding of each session.

TEACHING METHODS

The manner and methods of teaching are described in detail.

Activity	Semester workload
Lectures	25
Attending Seminars / Colloquial Talks	10
Homework / Assignments (Collaborative Work)	75
Exams	2
Course total	112

STUDENT PERFORMANCE EVALUATION

Description of the evaluation procedure

The enrolled students should participate in all of the following assessment steps.

- Active Participation: 50%
- Weekly Assignments: 30%
- Final Exam: 20%

5. ATTACHED BIBLIOGRAPHY

- Lecture notes of the lecturer.
- Presentation slides of the invited speakers.

