Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
IND496	Research Methods in Industrial Engineering	7	3	0	0	3	4

Prerequisites	
Admission Requirements	

Language of Instruction	French
Course Type	Compulsory
Course Level	Bachelor Degree
Objective	Objectives of the course Research Methods in Industrial Engineering, - To provide students with the ability to conduct research on academic and industrial subjects in various databases. - To provide students with technical reporting, technical writing and presentation skills. - To provide students with the necessary knowledge on project management, occupational safety, business ethics, sustainability and entrepreneurship. - To increase students' awareness of current problems and how these problems can be solved with Industrial Engineering methods. - To provide students with the ability to work effectively in disciplinary and multidisciplinary teams and in different roles. - To provide students with the necessary equipment and infrastructure for their final projects.
Content	Week 1: Introduction of the course - Giving preliminary information about academic career, industrial career and graduation projects Week 2: Introduction of the course project - Giving examples of projects (Discussing course project topics, groups and possible competitions) Week 3: Finalization of the project topics and possible competitions - Introducing the final project topics of the lecturers Week 4 Seminar: Occupational Safety and Health - Sustainability - Social Responsibility Week 5 Seminar: Agile Project Management Week 6: Fundamentals of research - Research techniques - Matching students and professors for the final paper o Literature review and identification of the research problem o Reading and summarizing the sources obtained o Determination of research and analysis methods o Data collection and analysis o Interpretation of findings o Reporting the research process and findings Week 7 Seminar: Agile Project Management and Applications Week 8 Project interim report presentations Week 9 Midterm Exam Week 10 Graduation projects and coordination Week 11 Seminar: Entrepreneurship and the Game Industry Week 12 Seminar: Engineering, Professional and Academic Ethics Week 13 Course project presentations Week 14 Course project presentations
References	Presentation and sharing files of the guests who attended the course to give seminars.

Theory Topics

Week	Weekly Contents
1	Introduction of the course - Giving preliminary information about academic career, industrial career and graduation projects
2	Introduction of the course project - Giving examples of projects (Discussing course project topics, groups and possible competitions)
3	Finalization of the project topics and possible competitions - Introducing the final project topics of the lecturers
4	Seminar: Occupational Safety and Health - Sustainability - Social Responsibility
5	Seminar: Agile Project Management
6	Fundamentals of research - Research techniques - Matching students and professors for the final paper
7	Seminar: Agile Project Management and Applications
8	Project interim report presentations
9	Midterm Exam
10	Graduation projects and coordination
11	Seminar: Entrepreneurship and the Game Industry
12	Seminar: Engineering, Professional and Academic Ethics
13	Course project presentations
14	Course project presentations