Content

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

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			
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				