

COURSE IDENTIFICATION FORM

Course Code and Name: IM5066 SCIENTIFIC RESEARCH METHODS AND PUBLICATION ETHICS

Department of : CIVIL ENGINEERING / MASTER PROGRAMME

Semester	Theoretic Hour	Practice Hour	Total Hour	Credits	ECTS	Education Language	Type: Compulsory Elective
Atumn/Spring	3	0	3	3	5	Turkish	Optional
Prerequisite (s)							
Instructor		Asst. Prof. Dr.Hilal ARSLANOĞLU IŞIK				Mail : hilalarslanoglu@munzur.edu.tr Web :	
Course Assistant						Mail : Web :	
Groups / Classes							
Course Aim		The general purpose of the course is to introduce and teach students research methods.					
Course Goals		Ethical Issues in Research/Unethical Behaviors and Prevention, Scientific Research Methods, Scientific Research Planning: Research Problems, Hypotheses and Objectives, Access to Scientific Information: Library, Digital Library, Databases , Scientific Data Collection and Measurement Methods, Data Analysis Methods and Presentation, Concepts of Validity and Reliability, Writing a Research Proposal - Preparing a 'Summary' Proposal, Research Report Preparation/Reporting Methods, Basic Rules and Examples in Article Writing,					
Course Learning Outs and Proficiencies		1. Learn the scope and foundations of scientific research. 2. Learn the methods of accessing scientific information and collecting data. 3. Reads, understands and analyzes scientific texts. 4. Learn how to prepare a research report. 5. Have knowledge of scientific ethics and prevention of unethical behavior.					
Course Basic and Auxiliary Contexts		<ul style="list-style-type: none">Şener Büyüköztürk Özcan E. Akgün Şirin Karadeniz Funda Demirel Ebru Kılıç, Scientific Research Methods, Pegem Academy Publishing, AnkaraCumhur Ertekin, Nihat Berker, Aslıhan Tolun, Dinçer Ülkü, “Ethics and problems in scientific research”, TÜBA Publications, ISBN: 9758593129, TÜBİTAK PRINTING, 2002					
Methods of Give a Lecture		Face to face					

Assessment Criteria		If Available, to Sign (x)	General Average Percentage (%) Rate
	Midterm Exam	X	50
	1. Quiz		
	2. Quiz		
	3. Quiz		
	4. Quiz		
	Oral Examination		
	Practice Examination (Laboratory, Project etc.)		
	Final Exam	X	50
Semester Course Plan			
Week	Subjects		
1	Introduction to Scientific Knowledge and Scientific Research Methods		
2	Ethics and Basic Ethical Principles in Scientific Research		
3	Ethical Issues/Unethical Behaviors in Research and Their Prevention		
4	Scientific Research Methods		
5	Scientific Research Methods		
6	Planning in Scientific Research: Research Problems, Hypotheses, and Objectives		
7	Access to Scientific Information: Library, Digital Library, Databases		
8	Midterm Exam		
9	Scientific Data Collection and Measurement Methods		
10	Data Analysis Methods and Presentation		
11	Concepts of Validity and Reliability		
12	Research Report Preparation/Reporting Methods		
13	Basic Rules and Examples in Article Writing		
14	General Exam		