

COURSE IDENTIFICATION FORM

Course Code and Name: IM5022 Drying Technique

Department of : CIVIL ENGINEERING /
DEPARTMENT OF CIVIL ENGINEERING /
DEPARTMENT OF CIVIL ENGINEERING THESIS
MASTER'S DEGREE PROGRAM

Semester	Theoretic Hour	Practice Hour	Total Hour	Credits	ECTS	Education Language	Type: Compulsory Elective
Fall	3	0	3	3	5	Turkish	Optional
Prerequisite (s)		-					
Instructor		Asst. Prof. Dr. Yusuf DOGAN				Mail : ydogan@munzur.edu.tr Web :	
Course Assistant						Mail : Web :	
Groups / Classes							
Course Aim		To be able to use drying technique more effectively, control of drying system and methods to increase efficiency					
Course Goals		Purpose of drying, Causes and damages of harmful wetness, General principles of drying with open ditches, Types of ditches, Sizing principles, Drying with drains, Drain facilities and types, Sizing principles of drain pipes, Engineering structures in drain facilities, Drying of marshes, Maintenance and operation in drying.					
Course Learning Outs and Proficiencies		• Determining the most suitable drying system • Understanding drying efficiency					
Course Basic and Auxiliary Contexts		Berkün, M., Su Kaynakları Mühendisliği, 2005. Doç. Dr. Nihat KAYA – Kurutma Tekniği Ders Notları Erkek, C., Ağırlioğlu N., Su Kaynakları Mühendisliği, 2010. Kızılkaya, T., Sulama ve Drenaj, 1988					
Methods of Give a Lecture		Face to face					

Assessment Criteria		If Available, to Sign (x)	General Average Percentage (%) Rate
	1. Quiz	X	50
	2. Quiz		
	3. Quiz		
	4. Quiz		
	5. Quiz		
	Oral Examination		
	Practice Examination (Laboratory, Project etc.)		
	Final Exam	X	50
Semester Course Plan			
Week	Subjects		
1	Introduction		
2	Purpose of drying		
3	Causes and harms of harmful wetness		
4	General principles of drainage		
5	Types of drainage		
6	Design principles		
7	Design principles		
8	Mid-term exam		
9	Drying with drains		
10	Drainage systems		
11	Drainage pipes design principles		
12	Engineering structures in drainage systems		
13	Drainage of marshes		
14	Maintenance, operation and economy of drainage systems		