	PRESSURIZED IRRI	GATIO	ON SYSTEMS AND METHODS								
1	Course Title:	PRESS	URIZED IRRIGATION SYSTEMS AND METHODS								
2	Course Code:	BSM500	06								
3	Type of Course:	Optiona	I								
4	Level of Course:	Second	Cycle								
5	Year of Study:	1									
6	Semester:	2									
7	ECTS Credits Allocated:	6.00									
8	Theoretical (hour/week):	3.00	3.00								
9	Practice (hour/week):	0.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:	None									
12	Language:	Turkish									
13	Mode of Delivery:	Face to	face								
14	Course Coordinator:	Doç.Dr.	HAYRETTİN KUŞCU								
15	Course Lecturers:	-									
16	Contact information of the Course Coordinator:	e-posta: bncandogan@uludag.edu.tr Telefon: 0 224 2941628 Adres: Uludağ Üniversitesi, Ziraat Fakültesi, Biyosistem Mühendisliği Bölümü, Görükle Kampüsü, 16059, Nilüfer/BURSA									
17	Website:										
18	Objective of the Course:	systems	objectives are to teach individual pressurized irrigation s and village bases irrigation systems. However how to m open channel irrigation system to pressurized irrigation s								
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	To desing the individual drip and srinkler irrigation systems								
		2	To evaluate management systems of pressurized irrigation system accoarding to the water resources, and to choose the operating system.								
		3	To decide factors to determine systems elements								
		4	To compare the investment and operating costs for irrigation systems								
		5	To compare the system elements accoarding to the quality								
		6	To explain the pressure regulation elements								
		7	To question the applicability of different methods of irrigation operating for collective systems								
		8	To decide the operating arrangement and to design the pomp groups or to choose the pump for pressured irrigation systems								
		9 To compare the investment and operating costs using linear programming									
		10									
21	Course Content:										
		C	ourse Content:								
Week	Theoretical		Practice								

1	Design of individual drip and sprinkle systems	er							
2	Explanation of partial drip irrigation								
3	Explanations of water distrubiting m	ethods							
4	Basic hydolic and economic equatio	ns							
5	Explanation of open channel flow ar channel geometry	nd open							
6	Accoarding to economic parameters comperation of pressurized irrigation								
7	Accoarding to operation methods (s demand and rotation) to design of pressurized irrigation systems	uch as							
8	The use of optimizition techniques								
9	Minimization of investment								
10	Quantities and estimates of irigation	systems							
11	The sample solution 1								
12	The sample solution 2								
13	The sample solution 3								
14	The sample solution 4								
22	Textbooks, References and/or Othe Materials:	r	1. Labye Y, Olson M.A., Galand A. And Tsiourtis N. 1988. Design and Optimization of Irrigation Distribution Networks FAO Irrigation and Drainage Paper No:44.						
Activit	tes		Number	Duration (hou	Total Work Load (hour)				
Theore	tical		14	3.00	42.00				
_23_	TAssesment cals/Labs		0	0.00	0.00				
	udy and preperation	R	14	6.00	84.00				
Homev			2	20.00	40.00				
Profect		0	080	0.00	0.00				
Field S		<u> </u>	0	0.00	0.00				
Finale	MæRams	1	60,00	0.00	0.00				
Others			0	0.00	0.00				
	ytion of Term (Year) Learning Activit	ies to	40100	15.00	15.00				
	Vork Load		1		181.00				
Contrib Total W	oution of Final Exam to Success Grad vork load/ 30 hr	ie	60.00		6.03				
ECTS	Credit of the Course				6.00				
Measu	rement and Evaluation Techniques U	Ised in the							
24	ECTS / WORK LOAD TABLE		•						
25	CONTRIBUTION		RNING OUT	COMES TO PROGRA	MME				

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	3	5	2	2	2	2	2	3	2	2	2	3	0	0	0	0
ÖK2	4	5	4	5	3	3	4	5	3	4	3	4	0	0	0	0
ÖK3	3	4	3	3	3	1	2	2	2	4	2	4	0	0	0	0

ÖK4	4	4	5	3	4	4	3	5	4	5	4	5	0	0	0	0
ÖK5	4	4	3	3	3	2	3	2	4	3	4	4	0	0	0	0
ÖK6	4	4	3	2	2	1	2	2	3	2	4	5	0	0	0	0
ÖK7	5	4	5	5	5	4	4	5	5	5	5	5	0	0	0	0
ÖK8	4	4	2	2	2	1	1	3	4	3	4	4	0	0	0	0
ÖK9	4	4	2	2	2	2	1	3	3	3	3	2	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low		3	3 Medium		4 High			5 Very High					