	FARMING S	YSTE	M AND INNOVATION						
1	Course Title:	FARMIN	IG SYSTEM AND INNOVATION						
2	Course Code:	TRE534	0						
3	Type of Course:	Optional							
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							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:								
12	Language:	Turkish							
13	Mode of Delivery:	Face to	face						
14	Course Coordinator:	Doç. Dr.	İ.Bülent Gürbüz						
15	Course Lecturers:	-							
16	Contact information of the Course Coordinator:	bulent@	uludag.edu.tr						
17	Website:								
18	Objective of the Course:		ide information about the systems used in agriculture and orgical developments						
19	Contribution of the Course to Professional Development:	Current	datas are taught						
20	Learning Outcomes:								
		1	general Knowledge about farming system						
		2	General information about new technology accumulation in agriculture						
		3	General information about new communication skills in agriculture						
		4	Knowledge management systems						
		5	adoption of innovations						
		6	ability to learn and apply agricultural extension approaches;						
		7	Acquiring the ability to decide and use the methods to be used in the conduct of publication studies;						
		8	Gaining the ability to provide services in rural areas with the skills of preparing, implementing and evaluating extension programs;						
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
			Practice						
1	farming system reseach								
2	farming system reseach								
3	farming system reseach								
4	farming system reseach								

5	farming system reseach									
6	farming system reseach									
7	farming system reseach									
8	assigment									
9	assigment									
10	assigment									
11	assigment									
	-									
12	assigment									
13	assigment									
14	assigment									
Activit	Textbooks, References and/or Other Materials:	Berth6 AL, Bloktand A, Bouar6 S, DiaUo B, Diarra MM, Geerling C, Mariko F, N'Djim H and Sanogo B (1991) Profil d'environnement Mali-Sud. Etat des ressources naturelles et potentialit6s de d6veloppement. IER, Bamako, Mali/KIT, Amsterdam, Pays Bas Brammer H and Clayton DB (1973) Detailed soil survey Kataba Valley Research sub-Station, Western Province. Soil Survey Report no 8. Soil Survey Unit, Land Use Services Division of the Ministry of Rural Development Brams E (1971) Continuous cultivation of West African softs: organic matter diminution and effects of applied lime and phosphorus. Plant and Soil Number Duration (hour) Total Work Load (hour)								
Theore	tical	(8	6)β00, OECD, Paris, F	дэ,00 е	42.00					
	als/Labs	<u>lè</u>	udolman A (1991) Woo	dy species in auxil	0.00					
	dy and preperation	ir	Agriculture Vol 3. Roy							
Homev		T	0	0.00	0.00					
Project	1	ТВ	udelman A and Huijsm							
Field S		_ln	ersnective In Saveniie	1H and 0.00	0.00					
	n exams	Те	nyıronmental managen							
Others		а	nyironmental managen uricultural developmen lo	0.00 1347 Develo	0.00 0.00					
		12	Royal Tropical Institut	e, Amsterdam, The	Nemerlands					
Final E		lВ	udelman A and Zande	PM (1990) Land-u	se bv					
	Vork Load	15	putn-west Cote a Ivoire	(IVOIV Coast). Adr	182.00 DIOLESTRY					
	ork load/ 30 hr	S	vstems 11(2): 10112:	3	6.00					
	Credit of the Course	management in southern iviali. In: Savenije H and Huijsman A, eds, Making Haste Slowly. Strengthening Local Environmental Management in Agricultural Development, pp 131148. Development-oriented Research in Agriculture, Vol 2. Royal Tropical Institute, Amsterdam The Netherlands D'Hoore J (1964) La carte des sols d'Afrique au 1/5000000. Commission de coop6ration technique en Afrique. Publication n ° 93. Lagos, Nigeria Ewe1 JJ (1986) Designing agricultural ecosystems for th humid tropics. Annu Rev Ecol and Syst 17:245258 FAO/UNESCO/ISRIC (1988) FAO-UNESCO Soil Map of the World; revised legend. World Soil Resources Report 60, FAO, Rome, Italy Felker P (1978) State of the art: Acacia albida as a complementary permanent intercrop with								

annual crops. USAID Grant no 211 (d). Department of Soil and Environment Sciences. University of California, Riverside, USA Floor J. Kimaro DN. Vlot JE and Kekem AJ van (1990) Soil fertility aspects and sustainability of the traditional farming system in Bukoba District, Tanzania. Agricultural Research Institute, Mlingano, Tanga, Tanzania. Paper prepared for the 10th Annual General Meeting of the Soil Science Society of East Africa, Arusha, December 1990 Friedrich KH (1968) Coffee-banana holdings at Bukoba. The reasons for stagnation at a higher level. In: Ruthenberg H, ed, Smallholder Farming and Smallholder Development in Tanzania, pp 177--212. IFO-Institut fiir Wirtschaftsforschung, Munich, Germany Frissel MJ (1978) Cycling of Mineral Nutrients in Agricultural Ecosystems. Elsevier, London, UK Ganry F (1980) The importance of cultural methods to increase the quantity of nitrogen fixed by a groundnut crop in the Soudano-salaelian zone of Senegal. In: Organic Recycling in Africa. FAO Soils Bulletin n o 43. Rome, Italy Gils H van (1988) Environmental profile. Western Province, Zambia. ITC, Enschede, The Netherlands/Provincial Planning Unit, Mongu, Zambia Hart RD (1980) A natural ecosystem analog approach to the design of a successional crop system for tropical forest environments. Biotropica 122 (supplement): 73--82 Hijkoop J and Poel P van der (1989) D'un am6nagement anti-6rosif des champs h la gestion de l'espace rural. Bulletin KIT no. 317. KIT/CMDT/IER, Amsterdam, The Netherlands

23 Assesment

TERM LEARNING ACTIVITIES NUMBE R Midterm Exam 0 0.00 Quiz 0 0.00 Home work-project 0 0.00 Final Exam 1 100.00 Total 1 100.00 Contribution of Term (Year) Learning Activities to Success Grade Contribution of Final Exam to Success Grade 1 100.00 Total 1 100.00 Total 1 100.00 Total Total 1 100.00 Total Total 1 100.00 Measurement and Evaluation Techniques Used in the Course								
Quiz O	TERM LEARNING ACTIVITIES		WEIGHT					
Home work-project 0 0.00 Final Exam 1 100.00 Total 1 100.00 Contribution of Term (Year) Learning Activities to Success Grade Contribution of Final Exam to Success Grade 100.00 Total 100.00 Measurement and Evaluation Techniques Used in the It is programmed in the output-based education and	Midterm Exam	0	0.00					
Final Exam 1 100.00 Total 1 100.00 Contribution of Term (Year) Learning Activities to Success Grade Contribution of Final Exam to Success Grade 1 100.00 Total 1 100.00 In the lit is programmed in the output-based education and	Quiz	0	0.00					
Total 1 100.00 Contribution of Term (Year) Learning Activities to Success Grade 0.00 Contribution of Final Exam to Success Grade 100.00 Total 100.00 Measurement and Evaluation Techniques Used in the It is programmed in the output-based education and	Home work-project	0	0.00					
Contribution of Term (Year) Learning Activities to Success Grade Contribution of Final Exam to Success Grade 100.00 Total Measurement and Evaluation Techniques Used in the It is programmed in the output-based education and	Final Exam	1	100.00					
Success Grade Contribution of Final Exam to Success Grade 100.00 Total 100.00 Measurement and Evaluation Techniques Used in the It is programmed in the output-based education and	Total	1	100.00					
Total 100.00 Measurement and Evaluation Techniques Used in the It is programmed in the output-based education and		es to	0.00					
Measurement and Evaluation Techniques Used in the It is programmed in the output-based education and	Contribution of Final Exam to Success Grade)	100.00					
	Total		100.00					
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	sed in the						

24 | ECTS / WORK LOAD TABLE

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	3	4	3	4	3	3	0	0	0	0	0	0	0	0	0
ÖK2	3	3	5	5	5	2	4	0	0	0	0	0	0	0	0	0

ÖK3	2	4	5	5	5	4	3	0	0	0	0	0	0	0	0	0
ÖK4	3	3	5	3	2	3	3	0	0	0	0	0	0	0	0	0
ÖK5	4	4	2	3	3	3	4	0	0	0	0	0	0	0	0	0
ÖK6	3	3	3	3	4	3	5	0	0	0	0	0	0	0	0	0
ÖK7	2	3	2	2	2	2	3	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	0	0	0	0	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				