

COMPOSTING

1	Course Title:	COMPOSTING	
2	Course Code:	TPR3920PDS	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	3	
6	Semester:	6	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	No	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. HALUK BAŞAR	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	E posta: bhaluk@uludag.edu.tr Telefon: 0 224 294 15 33 Adres: Uludağ Üniversitesi Ziraat Fakültesi Toprak Bilimi ve Bitki Besleme Bölümü 16059 Görükle/Nilüfer/BURSA	
17	Website:		
18	Objective of the Course:	To learn how to prepare compost from various organic matter	
19	Contribution of the Course to Professional Development:	Contribution to composting and applications.	
20	Learning Outcomes:		
		1	To know benefits of compost in soil fertility and plant production
		2	To know sources of organic matter and their specifications suitable for composting
		3	To know factors affecting composting
		4	To implement methods in composting
		5	To have ability compost application to soils.
		6	To know properties of composting plants in different scale
		7	To evaluate interactions between compost and environment
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		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Benifits of compost		
2	Phases in compost formation, definition and specifications of compost, decompositon of organin matter, organisms participating into composting		

3	Compost and plant health, effect of compost on plant nutrition, effect of compost on availability of micro nutrients	
4	Significance of manure in composting, sources of valuable organic matter in composting, role of N in composting	
5	Properties of various organic matters suitable for composting	
6	Different types of manures suitably composting and their specifications.	
7	VCD presentation	
8	Composting methods, effects of conditions around on composting, treatments to have appropriate microbial population in composting	
9	Description of Cal. Univ. Methods, principles of city and garden composting	
10	General evaluation. Midterm exam	
11	VCD presentation II and III	
12	Structure types in composting, advantages and disadvantages of cage and box type composting, demonstration of commercial composting equipments	
13	Tools for composting and their aim of usage, alternative tools or equipments for composting, maturity determination of compost, application to various kinds of plants, preparation of compost tea	
14	Composting methods in large scale plants, significance of composting in sustainable agricultural activities, commercial approaches to composting, physical and chemical properties of compost produced from different compost plants, Application possibilities of urban and industrial wastes, Effect of compost on public health	

22	Textbooks, References and/or Other Materials:	<p>Kompost Yapım Tekniği. H.Başar. Ders Notları (Basılmamış).2007.</p> <p>References</p> <p>The Science of Composting. E. Epstein. Techornic Publication, pp. 487. Lancaster, USA, 1977.</p> <p>Compost Utilization in Horticultural Cropping Systems. P.J. Stoffella and B.A. Kahn. Lewis Publishers (CRS Pres LLC). Boca Raton, Florida, 2001.</p> <p>The Rodale of book of Composting. D.L.Martin and G.Gershuny. Rodale Press. Pp. 278. Pennsylvania, USA,1992.</p> <p>The Complete Book of Composting. J.I. Rodale. Rodale Boks, Inc. Emmaus, Pena, USA, 1975.</p>
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23	Assesment	
TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	20.00
Quiz	0	0.00
Home work-project	1	20.00
Final Exam	1	60.00

Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course	Measurement and evaluation techniques used in the course is final exam.	
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	2.00	28.00
Homeworks	1	15.00	15.00
Projects	0	0.00	0.00
Field Studies	1	8.00	8.00
Midterm exams	1	5.00	5.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total Work Load			94.00
Total work load/ 30 hr			3.13
ECTS Credit of the Course			3.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	5	5	5	1	2	5	5	5	5	5	5	3	0	0	0
ÖK2	5	5	5	5	1	2	5	5	5	5	5	5	3	0	0	0
ÖK3	5	5	5	5	1	2	5	5	5	5	5	5	3	0	0	0
ÖK4	5	5	5	5	1	2	5	5	5	5	5	5	3	0	0	0
ÖK5	5	5	5	5	1	2	5	5	5	5	5	5	3	0	0	0
ÖK6	5	5	5	5	1	2	5	5	5	5	5	5	3	0	0	0
ÖK7	5	5	5	5	1	2	5	5	5	5	5	5	3	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			