



T.R.
İSTANBUL UNIVERSITY
FACULTY OF FORESTRY



CURRICULUM FORM
Syllabus

Number : Date : 29.3.2017

Department : LANDSCAPE ARCHITECTURE, UNDERGRADUATE PROGRAM,(FORMAL EDUCATION)

Academic Year : 2015 - 2016

Course Name		ROOF AND DECK GARDENS				Course Code	PEMI4067
Semester	Theory	Practice	Lab	Credit	ECTS	Course Language	Course Type
6	2	0	0	2	2	Turkish	Opt
Admission Requirements		-					
Compulsory Attendance		Theory		Practice		Lab	
		%70					
Course Teacher(s)		Asst. Prof. MERT EKŞİ, Asst. Prof. MERT EKŞİ, Asst. Prof. MERT EKŞİ,					
Purpose		Purpose of this course is to transfer the knowledge related to constructional properties of green roofs and planting phases and design criteria.					
Course Content (Short Description)		Roof and terrace gardens course is based on green roof technology that have been rapidly developed after 1960's. In this course, materials and constructional techniques based on roof garden technology and interdisciplinary work ethics will be presented.					
Course Learning Outcomes		To have knowledge about green roof design and application techniques . Recognize the green roof theory. Able to adapt on interdisciplinary studies. To have knowledge about green roof materials. Able to design green roof projects.					
Teaching and Learning Methods		Oral and visual presentation, field trips, discussion, question and answer.					
Contribution of Learning Outcomes on Program Competency		from medium to high					
Resources		<ul style="list-style-type: none">• Osmundson, T., 1999. Roof gardens: history, design and construction, Norton Company, New York, ISBN: 0-393-73012-3.• Dunnett, N., Kingsbury, N., 2004, Planting Green Roofs and Living Walls, Timber Press, Oregon ISBN: 9780881929119.• Snodgrass E.C, Snodgrass L.L., 2006. Green roof plants: a resource and planting guide. Timber Press, Oregon, ISBN-13: 978-0-88192-787-0.• Snodgrass, E.C, McIntyre, L., 2010. The Green Roof Manual: A Professional Guide to Design, Installation and Maintenance. Timber Press nc., Portland, OR.• Weiler, S., Scholz-Barth, K. 2009. Green roof systems: a guide to the planning, design, and construction of landscapes over structure. John Wiley & Sons.					

ASSESSMENT SYSTEM

Study	Number	Contribution
Assignments	0	0
Presentation	0	0
Mid-term Examinations (including time for preparation)	1	40
Project	0	0
Clinical Practice	0	0
Laboratory	0	0
Field Work	0	0
Other Applications	0	0
Quiz	0	0
Term Paper/ Project	0	0
Portfolio Study	0	0
Reports	0	0
Learning Diary	0	0
Thesis/ Project	0	0
Seminar	0	0
Other	1	60
Final Exam	0	0
THE WEIGHT OF THE IN-TERM ASSIGNMENTS IN THE FINAL GRADE		100
THE WEIGHT OF THE END OF TERM EXAM IN THE FINAL GRADE		0
TOTAL		100

ECTS TABLE

Events	Number	Period	Credit Workload
Class Hours	14	2	28
Working Hours out of Class	1	5	5
Assignments	0	0	0
Presentation	0	0	0
Mid-term Examinations (including time for preparation)	1	15	15
Project	0	0	0
Clinical Practice	0	0	0

ECTS TABLE

Events	Number	Period	Credit Workload
Laboratory	0	0	0
Field Work	0	0	0
Other Applications	1	2	2
Final Examinations (including preparatory year)	0	0	0
Quiz	0	0	0
Term Paper/ Project	0	0	0
Portfolio Study	0	0	0
Reports	0	0	0
Learning Diary	0	0	0
Thesis/ Project	0	0	0
Seminar	0	0	0
Other	0	0	0
Credit Workload			50
Credit Workload / 25			2
ECTS			2

WEEKLY COURSE CONTENTS

Week	Theory Topics
1	Roof garden concept and history
2	Benefits and role of roof gardens in built environment
3	Ecological cycle of roof gardens
4	Planting types and properties
5	Constructional requirements of buildings on green roof applications
6	Constructional requirements of buildings on green roof applications
7	Constructional layers of roof gardens
8	Constructional layers of roof gardens
9	Green roof substrate characteristics and guidelines
10	Green roof substrate characteristics, guidelines and plant selection
11	Loads due to green roof system and plant selection
12	Maintenance and technical solutions

WEEKLY COURSE CONTENTS

Week	Theory Topics
13	Details and sections
14	Safety regulations

Hafta	Practice Topics
1	
2	
3	
4	
5	
6	
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9	
10	
11	
12	
13	
14	

RELATIONSHIP OF PROFICIENCY PROGRAM WITH COURSE LEARNING OUTCOMES

Num	Qualification Program	Score
1	Has basic knowledge on the design and planning of rural and urban landscapes and able to use it by problem solving.	3
2	Skilled to consider the design area and design elements in 3 dimensions and/or time dimension.	3
3	Skilled to express considerations related to conservation, planning and design with free-hand drawings, modelling and graphic presentations.	2
4	Has the skill of managing and reconciling conflicts that might arise between parties on conservation, planning, design and administrative issues.	3
5	Skilled to comprehend and embrace diversity and cultural differences.	3
6	Skilled for multi-disciplinary work.	4
7	Defends the resulting planning and design work effectively, evaluates critics.	3
8	Skilled to use information and communication technologies (Computer programmes, GIS, AutoCAD, 3D Max, etc.) in design and planning works.	3

RELATIONSHIP OF PROFICIENCY PROGRAM WITH COURSE LEARNING OUTCOMES

Num	Qualification Program	Score
9	Knows the legal regulations related to the profession and behaves suitably.	2
10	Has the awareness of the advantages of studying in a university with long tradition, while knows the social and cultural potential of the metropolitan city of Istanbul and transforms them into professional skills.	2
11	Information about business life practices such as project management, risk management, and change management; awareness of entrepreneurship, innovation, and sustainable development.	2
12	Knowledge about contemporary issues and the global and societal effects of engineering practices on health, environment, and safety; awareness of the legal consequences of engineering solutions.	2
Contribution Level : 1 low, 5 high		

SIGNATURE