ADVANCED COMPUTER APPLICATIONS IN LANDSCAPE ARCHITECTURE

1	Course Title:	ADVANCED COMPUTER APPLICATIONS IN LANDSCAPE ARCHITECTURE
2	Course Code:	PYM5019
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	1
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:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Dr. Ögr. Üyesi Elvan ENDER ALTAY
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Doç. Dr. Elvan Ender Altay Bursa Uludağ Üniversitesi, Ziraat Fakültesi, Peyzaj Mimarlığı Bölümü, Nilüfer/Bursa elvanender@uludag.edu.tr 0 224-294 1639
17	Website:	
18	Objective of the Course:	Computer-aided drawing software modeling and visualization studies with sample applications allow students to develop themselves.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To be able to comprehend the study of computer-aided drawing to the contribution to landscape design
	2	To be able to comprehend visual approach of landscape Project drawing in computer and its scale
	3	To be able to learn computer-aided presentation techniques which may help to landscape project presentation
	4	To be able to developed the ability of professional experience in the technical and modern sense by making practical use of computers
	5	To be able to follow technological development for design work
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21	Course Content:	

Course Content:

Week	Theoretical	Practice

1	What is CAD? AutoCAD and software installation	
2	Made with CAD programs, two and three dimensional visualization of examining landscape projects	
3	Drawing Readiness Commands, Drawing and Drawing Editing Commands	
4	Hatch and coloring commands, drawing Facilitation Commands	
5	Perspective Drawing, Layers and Dimension Instructions	
6	Creating Query and Block Commands, External Reference and Primitive Solids	
7	AutoCAD-aided drawing of small-scale landscape architecture projects and giving student assignments	
8	Sketchup (Basic Drawing Commands)	
9	Setting the Units of Measurement	
10	Editing and Visualization Commands	
11	Adobe Photoshop (Presentation of the workspace and Selection Tools)	
12	Basic Information Related with Layers	
13	Masking, Channels and Retouching	
14	Basic Pen Tool Techniques	

22	Textbooks, References and/or Other Materials:	Frey, D., McFarland, J., 2008, AutoCAD 2008 ve AutoCAD LT 2008, Alfa Yayınları, İstanbul. Demiryürek, M.Ş. 2012. AutoCad 2013 & Autolisp. İstanbul. 506 s. Bayar, Ö.M. 2012. Photoshop CS6. İstanbul. 504 s. Köksal, A.T. 2012. Sketchup (Herkes İçin Üç Boyutlu Tasarım). İstanbul, 342 s.
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	0	0.00
Quiz	0	0.00
Home work-project	1	50.00
Final Exam	1	50.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade		50.00
Contribution of Final Exam to Success Grade		50.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		

24	**ECTS / WORK LOAD TABLE**

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	8.00	112.00
Homeworks	1	10.00	10.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	14.00	14.00
Total Work Load			178.00
Total work load/ 30 hr			5.93
ECTS Credit of the Course			6.00

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	4	4	0	0	0	0	0	3	0	0	0	0	0	0	0
ÖK2	5	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	5	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	5	4	0	0	0	0	3	0	3	0	0	2	0	0	0	0
ÖK5	5	0	0	0	0	0	3	0	3	0	0	2	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**