Basic course data	
Academic unit:	**Faculty of Architecture, Design and Wood Technology**
Program:	**Interior Architecture and Furniture Design**
Course title:	**Ecology and Environment Science**
level:	**Bachelor**
Course status:	**Mandatory**
Year of studies:	**III**
Number of hours per week:	**3**
Value on credit - ECTS:	**5**
Subject teacher:	
Contact details:	
Subject description:	This subject aims to develop effective and strategic management of human ecosystem conservation, understanding the importance of environmental protection. Students will be introduced to such environmental processes as the cycle of change and ecology in general. Through this subject, theoretical and practical field teaching is realized according to the curricula plan. The subject also clarifies how to protect the environment during the development of work with wood, effectively achieving human protection against toxicity which can be released from the colors of wood and various types of synthetic adhesives.
Subject objectives:	The subject aims to prepare students with the necessary knowledge of the exterior and interior environment. The aim of this subject is to inform students how to preserve the environment, to understand renewable and non-renewable energy sources. Familiarity with the types of paints (varnishes), their properties. Familiarity with the types of adhesives and protection of the indoor environment from toxicity.
	After the succesful completion of the subject the student should be able to: • *demonstrate how the sustainability of forest ecosystems depends on their structure and function;* • *know and understand the silvicultural systems and different practices used during the life of forests from their development to deforestation;* • *use ecological principles in drafting plans for the forest*

Expected learning outcomes:	*ecosystem;* • *know the types of varnishes, paints and adhesives for wood processing interior and exterior.*

Contribution to student workload corresponding to student learning outcomes			
Activity	**Hours/Day**	**Week**	**Total**
Lectures	2	14	28
Theoretical / laboratory exercises	1	14	14
Practical work	6	1	6
Contacts with the teacher / consultations	1	5	5
Field exercises	3	1	3
Test	0	0	0
Homework	2	6	12
Student's own study time (in the library or at home)	2	15	30
Final preparation for the exam	2	10	20
Time spent on assessment (final exam)	1	3	3
Projects, presentations, etc.	1	1	1
Total			**122**

Teaching methodology:	*Lectures and exercises combined*
Evaluation method:	Test I 45% Test II 45% Attendance 10% Final exam 100%
Literature	
Basic literature:	1. Ismet Potera, Mbrojtja e Ambientit; 2. Velesin Poquli, ,,Ekologjia", 2009,Tiranë,Universiteti Bujqësorë i Tiranës Upholestry, a Complete Course Chairs, Sofas, Ottomans, Screens, and Stools: David James 3. Kimmins, J. P. 2004. Forest Ecology (3rd ed.). MacMillan Pub., New York. 596 p
Additional literature:	1. Biswas, A.K. (2007). Water resources: Environmental Planning, Management and Development, McGraw – Hill, New Delhi. 2. Boyle, G. Bob Everett and J. Ramage. (2003). Energy System and Sustainability, Oxford University Press,

	New York.
Designed lesson plan:	
Week	**Lecture to be held**
Week 1	**Introduction**
Week 2	**Ecology and Environmental Science**
Week 3	**Ecosystem and its importance**
Week 4	**Renewable and non-renewable natural resources**
Week 5	**Biodiversity**
Week 6	**Pollution of the exterior environment**
Week 7	**Test I**
Week 8	**Waste recycling**
Week 9	**Waste management**
Week 10	**Interior environmental pollution**
Week 11	**Creating suitable conditions and protecting health from toxins in the interior**
Week 12	**Types of hazardous materials when processing wood in the interior (adhesives, varnishes, paints)**
Week 13	**Recognition of the properties of potentially hazardous materials used in the environment**
Week 14	**Formaldehyde release**
Week 15	**Test II**
Academic policies and etiquette:	
Regular attendance, keeping calm and active engagement in dialogue during lectures and exercises is mandatory.	