Course Title	Health and Safety				
Course Code	ETECH 110				
Course Type	Compulsory				
Level	First Cycle				
Year / Semester	First Year / Spring				
Teacher's Name	Giorgos Vasiliou				
ECTS	6	Lectures / week	3	Laboratories / week	0
Course Purpose and Objectives	The main objectives of the course are to: • Introduce students to safety regulations and safe practices at workplace • Inform students on safety legislation and legal responsibilities of employers and employees • Provide knowledge on standard procedures to follow in case of an accident • Ensure safety and efficiency at workplace • Provide the tools to better assess risks and potential dangers at workplace				
Learning Outcomes	After completion of the course students are expected to: • Know the legislature and national rules on safety and safe practices at workplace • Know the right procedures to follow when an accident occurs at work and how to properly report it • Have the ability to assess risks and dangers at workplace • Know how to prevent accidents (e.g. fire) at workplace • Have knowledge of safety signs and relevant technical communication				
Prerequisites	None	Required	None		
Course Content	• Legal responsibilities of employers and employees • Specializations and roles within the electrotechnical industry • Sources of technical information and communication • Safety regulations relevant to the electrotechnical industry • Environmental legislation relevant to the electrotechnical industry • Human and environmental conditions leading to workplace accidents • Procedures for reporting accidents • Recognition of safety signs at workplace • Ability to assess risks at workplace • Procedures to secure electrical isolation • Requirements for the provision of first aid equipment • Fire prevention methods and evacuation procedures				

	• Work situations where working alone is not recommended • Emergency actions following an electrical shock • The meaning of team work • Employment legislation in terms of rights and responsibilities • Safety and efficiency in electrotechnical industry • Quality standards • Benefits of improving working practices
Teaching Methodology	Lectures, in-class examples, exercises, practical.
Bibliography	<u>Compulsory</u> • Safe Work Practices for the Electrician (2008), Ray A. Jones and Jane G. Jones, Jones & Bartlett Publishers, ISBN: 978-0763752156 • Lecturers notes.
Assessment	Homework: 10% Participation: 10% Laboratory: 20% Mid Term: 20% Final Exam: 40%
Language	Greek