Course Title	Electrical Installations III (Regulations)				
Course Code	ETECH 230				
Course Type	Compulsory				
Level	First Cycle				
Year / Semester	Second Year / Fall				
Teacher's Name	Yiakoumi Iacovos				
ECTS	6	Lectures / week	1 ½	Laboratories / week	1 1⁄2
Course Purpose and Objectives	 Provide knowledge on protection techniques against electric shock, overcurrent, etc Provide students with the necessary skills and knowledge to make the most appropriate selection of equipment for an electrical installations Introduce and discuss different arrangements of earthing and bonding Provide guidelines and regulations for special types of electrical installation Introduce students to test procedures and sequence of tests commonly used in electrical inspection and testing Provide rules and regulations adopted during alteration of existing installations After completion of the course students are expected to: Be familiar with protection techniques against electrical situations Select the most appropriate equipment for a given electrical installation Test and inspect an electrical installation Know the proper procedures when altering an existing electrical 				
Prerequisites	None		Required	None	
Course Content	 Protection for safety (against electric shock, thermal effects, overcurrent, overvoltage, undervoltage, etc) Selection and erection of equipment and wiring systems Switchgear for protection, isolation, and switching Earthing arrangements and protective conductors Isolation and switching Special installations (e.g. bath, swimming pool, caravans, etc) Construction site installations Installations at agricultural and horticultural premises Installation of power supplies and lighting fixture in highways Electrical inspection and testing (test procedures, sequence of tests) Alterations and addition to an existing installation Periodic inspection 				

Teaching Methodology	Lectures, in-class examples, exercises, practical.		
Bibliography	 <u>Compulsory</u> Requirements for Electrical Installations: IEE Wiring regulations (16th Edition) (2004), IEE (British Standard), IEE, ISBN: 0 86341 373 0 On-Site Guide (BS 7671:2001) Wiring Regulations 16th Edition (2004), IEE (British Standard), IEE, ISBN: 0 86341 374 9 Lecturers notes. 		
Assessment	Homework: 10% Participation: 10% Laboratory: 20% Mid Term: 20% Final Exam: 40%		
Language	Greek		