

Course Title	Technical Drawing				
Course Code	ETECH 160				
Course Type	Compulsory				
Level	First Cycle				
Year / Semester	First Year / Spring				
Teacher's Name	George Philippides				
ECTS	6	Lectures / week	1 ½	Laboratories / week	1 ½
Course Purpose and Objectives	<p>The main objectives of the course are to:</p> <ul style="list-style-type: none"> • Provide knowledge on technical drawing and drafting • Provide students with the fundamentals of architectural design and considerations and types of construction • Provide skills that will allow students to effectively read blueprints and technical drawings • Provide knowledge on electro-mechanical symbols and technical terms 				
Learning Outcomes	<p>After completion of the course students are expected to:</p> <ul style="list-style-type: none"> • Extract information from a set of technical drawings and electrical blueprints • Modify existing drawings and add supplementary information • Develop simple drawings and schematics to transmit technical information to other technicians/electricians 				
Prerequisites	None	Required	None		
Course Content	<ul style="list-style-type: none"> • Drawing and sketching • Projections and perspectives • Review of related mathematics • Scaling, dimensions, and units • Types of construction • Architectural considerations • Electrical symbols • Mechanical symbols • Hydraulic and pneumatic symbols • Special symbols • Site plans • Floor plans • Elevations • Details and sections • Residential blueprint reading • Commercial blueprint reading • Industrial blueprint reading 				
Teaching Methodology	Lectures, in-class examples, exercises, practical.				

Bibliography	<u>Compulsory</u> <ul style="list-style-type: none">• Blueprint reading for electricians (2009), Rob Zachariason/ NJATC, Delmar, 3rd Edition, ISBN: 978-1435491199• Lecturers notes.
Assessment	Homework: 10% Participation: 10% Laboratory: 20% Mid Term: 20% Final Exam: 40%
Language	Greek