

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