



# COURSE OUTLINE

## ELN210

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<b>Course Code: Title</b>	ELN210: COMPUTER AIDED DESIGN
<b>Program Number: Name</b>	4026: ELECTRICAL TN-PROC
<b>Department:</b>	ELECT./INSTRUMENTATION PS
<b>Semester/Term:</b>	18W
<b>Course Description:</b>	This course is designed to develop skills in the use of the AutoCAD, to generate and modify AutoCAD drawings, electrical/electronic schematics and diagrams. This course will prepare the student for the automated drafting environment.
<b>Total Credits:</b>	3
<b>Hours/Week:</b>	2
<b>Total Hours:</b>	30
<b>Prerequisites:</b>	ELN100
<b>Substitutes:</b>	ELR508
<b>This course is a pre-requisite for:</b>	ELR216
<b>Vocational Learning Outcomes (VLO's):</b>	<b>4026 - ELECTRICAL TN-PROC</b>
<small>Please refer to program web page for a complete listing of program outcomes where applicable.</small>	#1. Interpret and produce electrical and electronics drawings including other related documents and graphics.
<b>Essential Employability Skills (EES):</b>	#1. Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience. #6. Locate, select, organize, and document information using appropriate technology and information systems.
<b>Course Evaluation:</b>	Passing Grade: 50%, D
<b>Other Course Evaluation &amp; Assessment Requirements:</b>	Grade Definition Grade Point Equivalent A+ 90 - 100% 4.00

A 80 - 89%  
B 70 - 79% 3.00  
C 60 - 69% 2.00  
D 50 - 59% 1.00  
F (Fail) 49% and below 0.00

CR (Credit) Credit for diploma requirements has been awarded.  
S Satisfactory achievement in field /clinical placement or non-graded subject area.  
U Unsatisfactory achievement in field/clinical placement or non-graded subject area.  
X A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.  
NR Grade not reported to Registrar's office.  
W Student has withdrawn from the course without academic penalty.

**Evaluation Process and Grading System:**

Evaluation Type	Evaluation Weight
Drawing 1	10%
Drawing 2	10%
Drawing 3	15%
Drawing 4	20%
Drawing 5	20%
Drawing 6	25%

**Books and Required Resources:**

Instructor handouts / Internet resources

**Course Outcomes and Learning Objectives:**

**Course Outcome 1.**

Upon successful completion, the student will be able to:

1. Correctly utilize AutoCAD menu and command structure to produce and modify AutoCAD drawings, electrical schematics and diagrams.

**Learning Objectives 1.**

1.1 Correctly utilize the AutoCAD menus and commands.

1.2 Produce and modify schematic diagrams and electrical related diagrams with correct and accurate connections and labelling.

**Date:**

Tuesday, January 2, 2018

Please refer to the course outline addendum on the Learning Management System for further information.