



**I. COURSE DESCRIPTION:**

This course is designed to develop skills in the use of the AutoCAD, to generate and modify electrical/electronic schematics and diagrams. This course will prepare the student for the automated drafting environment.

**II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:**

Upon successful completion of this course, the student will demonstrate the ability to:

**1. *Correctly utilize AutoCAD menu and command structure to produce and modify Electrical schematics and diagrams.*****Potential Elements of the Performance:**

- Effectively understand and utilize the AutoCAD menus and commands.
- Produce and modify schematic diagrams and electrical related diagrams with correct and accurate labelling.

**III. TOPICS:**

1. AUTOCAD menu structures and commands.

**IV. REQUIRED RESOURCES/TEXTS/MATERIALS:**

- USB Removable storage device. (1 GB min.)
- Textbook – AutoCAD 2012 Tutorial: First Level 2D Fundamentals by Randy H. Shih
- Evaluation Version of AutoCAD (To be downloaded by Student)
- Instructor Handouts / Internet Resources

*The link for downloading AutoCAD is available from the LMS ELN210 Web Links page. Follow Autodesk's registration instructions completely and carefully. READ ALL REQUIREMENTS FOR REGISTRATION.*

## V. EVALUATION PROCESS/GRADING SYSTEM:

The final grade will be derived as follows;

- 80% - AUTOCAD Drawings (3-4 Drawings)
- 20% - Tests / Quizzes

**NOTE: All drawings must be submitted to obtain a passing grade. Failing to submit all required drawings will result in a final grade of "F".**

***See Special Notes for additional grading policies.***

The following semester grades will be assigned to students in postsecondary courses:

<u>Grade</u>	<u>Definition</u>	<u>Grade Point Equivalent</u>
A+	90 - 100%	4.00
A	80 - 89%	4.00
B	70 - 79%	3.00
C	60 - 69%	2.00
D	50 – 59%	1.00
F (Fail)	49% and below	0.00
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W	Student has withdrawn from the course without academic penalty.	

## VI. SPECIAL NOTES:

### Attendance:

Sault College is committed to student success. There is a direct correlation between academic performance and class attendance; therefore, for the benefit of all its constituents, all students are encouraged to attend all of their scheduled learning and evaluation sessions. This implies arriving on time and remaining for the duration of the scheduled session.

- Attendance to all classes is compulsory, unless discussed with the instructor in advance of the absence and the absence is for a medical or family emergency. A **deduction of 2% per lab missed** will be imposed on the final lab mark.
- Any student that is absent for any test (for a legitimate emergency) will be required to provide a doctors' note immediately upon returning. Failing to do so will result in a grade of 0% being assigned to the missed test. It is the students' responsibility to contact the college and/or Professor. Test dates will be provided to the students, a minimum of 2 weeks in advance of the test date.
- Tests, quizzes and other activities will not be scheduled on an individual basis, unless it is for a medical or family emergency.
- Disruptions to theory classes, such as lateness, are not acceptable and will be dealt with on an individual basis. Students exhibiting chronic lateness or absenteeism will be required to meet with the Dean, and will be placed on academic probation.
- Use of the PC's in B1153 is for AutoCAD ONLY. Anyone using these PC's during scheduled class time for anything other than AutoCAD related work will be required to shut down the unrelated application immediately. Failing to do so, will result in immediate dismissal from the scheduled class and will be required to meet with the Dean, and will be placed on academic probation. Subsequent violations of this, and other specified guidelines for the use of computers in B1153 may result in academic probation, removal of privileges in B1153, or dismissal from the course.
- The use of Electronic Recording Devices is prohibited unless individual permission is obtained from the instructor. The use of Cell Phones during scheduled classes is prohibited. Turn off all Cell Phones prior to attending class.

- All assignments are to be started in class on the date assigned. Periodic checks of your progress will be performed by your instructor and these “checkpoints” may additionally be required to be submitted prior to the completion date.
- Assignments that are not handed in by the specified deadline will be assigned a grade of 0%. These assignments may be required to be submitted as Hard Copy, Electronic Submission (Email or Portable Storage) or both. It is the students’ responsibility to know how to submit electronically and ensure they have files stored in multiple locations.
- Assignments required to be submitted via email are to be sent to [ed.sowka@saultcollege.ca](mailto:ed.sowka@saultcollege.ca) . DO NOT use LMS to email the assignment. DO NOT use your personal email address. You must use Microsoft Outlook (local or web). The location of the outlook server is mail.saultcollege.ca or <https://outlook.saultcollege.ca> and can be accessed from most any web browser.
- All emailed submissions must include a **Subject Line** in the email with the following structure: **ELN210 Assignment #** and include the AutoCAD file as an attachment. Failing to do so will result in the instructor not receiving the assignment.
- Your Filename of your assignment must follow the following structure: ***yourlastname\_assignment#.dwg*** .

## VII. COURSE OUTLINE ADDENDUM:

The provisions contained in the addendum located on the portal form part of this course outline.