

DEPARTMENT OF SCIENCE

COURSE OUTLINE – Fall 2023

POF 429 (VA2): 4th Class Power Engineering Controlled Plant Practicum – 5 (0-0-40) 240 Hours over 6 Weeks

Northwestern Polytechnic acknowledges that our campuses are located on Treaty 8 territory, the ancestral and present-day home to many diverse First Nations, Metis, and Inuit people. We are grateful to work, live and learn on the traditional territory of Duncan's First Nation, Horse Lake First Nation and Sturgeon Lake Cree Nation, who are the original caretakers of this land.

We acknowledge the history of this land and we are thankful for the opportunity to walk together in friendship, where we will encourage and promote positive change for present and future generations.

INSTRUCTOR:	Wells Darling Curran Speager	PHONE:	780-518-1820 587-343-2154
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OFFICE HOURS:	As posted		

CALENDAR DESCRIPTION:

A controlled practicum shall take place at a power plant that satisfies the minimum kilowatt capacity specified in the Power Engineers Regulations. The controlled practicum shall include a documented competency verification system, a written project report, line drawings of the plant, itemized task listings, projects/challenges applicable at specific plant level, and attendance verification.

PREREQUISITE(S)/COREQUISITE:

Must be registered in Northwestern Polytechnic's Power Engineering 4th Class program and have successfully completed POF401, POF402, POF403, and POF425 in the previous semester.

- Valid H₂S Alive and 1st Aid Certificates
- Valid Class 5 driver's license
- Reliable transportation for the term of the practicum

- Flame retardant coveralls (often required for industry)
- CSA (green triangle) approved work boot, 6” high minimum (typical industry standard)
- Leather gloves
- Safety eyewear. Prescription glasses are required to be safety rated or use safety goggles.
- CSA approved hard hat

DELIVERY MODE(S):

Practicums will take place off-campus at an approved practicum location.

LEARNING OUTCOMES:

- Work in a power plant with a minimum 4th Class rating for 240 hours.
- Complete a plant report
- Complete a log book of the experience using the Power Engineer’s Regulations (PER) as a guide
- Complete a line drawing of the process you worked in

TRANSFERABILITY:

Nontransferable, there are no transfer agreements in place.

EVALUATIONS:

- 70% Controlled Practicum
- 20% Practicum Report
- 10% Practicum Presentation

Grading Chart for courses with Alpha Grading:

Alpha Grade	4-point Equivalent	Percentage Guidelines	Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	95-100	C+	2.3	67-69
A	4.0	85-94	C	2.0	63-66
A-	3.7	80-84	C-	1.7	60-62
B+	3.3	77-79	D+	1.3	55-59
B	3.0	73-76	D	1.0	50-54
B-	2.7	70-72	F	0.0	00-49

COURSE SCHEDULE/TENTATIVE TIMELINE:

November 20, 2023 – January 12, 2024.
Minimum 240 hours required to complete the practicum.

STUDENT RESPONSIBILITIES:

Students must be prepared to relocate and provide their own transportation for the duration of the practicum. They are also responsible to ensure they are scheduled for, and complete all 240 hours of the practicum.

STATEMENT ON ACADEMIC MISCONDUCT:

Academic Misconduct will not be tolerated. For a more precise definition of academic misconduct and its consequences, refer to the Student Rights and Responsibilities policy available at <https://www.nwpolytech.ca/about/administration/policies/index.html>.

**Note: all Academic and Administrative policies are available on the same page.