

DEPARTMENT OF SCIENCE

COURSE OUTLINE – Winter 2025

EG1000 (A3): Success in Engineering – 1.1 (0.75-0.75-0) 22.5 Hours for 15 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: Braden Kelly
OFFICE: J218
OFFICE HOURS: TBA

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CALENDAR DESCRIPTION:

An introduction to the Engineering Faculty, the engineering profession, the skills required for academic success, and the fundamentals of leadership: study and life skills; time management and goal setting; interpersonal skills; career planning; engineering and society including elements of ethics, equity, concepts of sustainable development, environmental stewardship, and public safety.

PREREQUISITE(S)/COREQUISITE:

Restricted to students in Engineering. Students with a grade less than C- in one or more fall term courses are recommended to consult with the instructor or the Department.

REQUIRED TEXT/RESOURCE MATERIALS:

No required resources.

Introduction to Professional Engineering in Canada (Any Version), Fraser, Roydon A; Andrews, Gordon C.; Aplevich, J. Dwight; et al., Pearson Canada (4th edition is 2014, there is newer and older). Latest edition has Carolyn MacGregor as lead author. [Recommended but not required textbook].

DELIVERY MODE(S):

Lecture: Monday 1:00 – 1:50 PM, room B201

Seminar: Friday 1:00 – 1:50 PM, room E305

LEARNING OUTCOMES:

After successful completion of this course:

- I. You should have the necessary information about the Engineering profession, and
- II. You should be able to make an informed decision regarding selection of your discipline within the profession of Engineering

TRANSFERABILITY:

Please consult the Alberta Transfer Guide for more information. You may check to ensure the transferability of this course at the Alberta Transfer Guide main page <http://www.transferalberta.alberta.ca>.

**** Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability.**

EVALUATIONS:

Attendance	> 90% of classes
Individual presentation	20 points
Field Trips	20 points
Engineering literature search	20 points
Resume	20 points
Final Exam (Combined)	20 points

Evaluation types and weighting may be changed at the discretion of the instructor.

GRADING CRITERIA:

Alpha Grade	4-Point Equivalence	Percentage Conversion (unless otherwise specified in the Course Outline)	Descriptor
CR	N/A	50-100	Credit
NC	N/A	0-49	No Credit

- This is a credit/no credit course. The final grade will be based on written submissions, presentation, final examination attendance in class and relevant activities.
- All assignments must be type-written using a word processor. Late assignments will NOT receive any points.
- In order to pass the course, you must:
 - Receive minimum of 70% in each of the five components individually.
 - Attend > 90% of the class sessions

COURSE SCHEDULE/TENTATIVE TIMELINE:

January 6, 2025 – April 11 2025.

STUDENT RESPONSIBILITIES:

Attendance is mandatory and assignments must be submitted on time. There will be many guest speakers who are Professional Engineers from a spectrum of disciplines. Students are expected to interact politely and professionally with them.

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.

Additional Information (Optional):

Engineers Rule The World (ERTW).