

ANIMAL SCIENCES DEPARTMENT

COURSE OUTLINE – Winter 2025

AG1200 – Agricultural Equipment II – 6 (0-15-15) 150 Hours for 5 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:

Josefine
Bartlett
Garry Candy

PHONE:

7808356618
7808356670

E-MAIL:

JBartlett@nwpolytech.ca
GCandy@nwpolytech.ca

OFFICE:

Josefine
FM6106,
Garry FM6101

OFFICE HOURS:

by appointment
only

CALENDAR DESCRIPTION: This course builds on the mechanical knowledge gained in AG1000 to focus on the broader application of technology and machinery in modern agriculture. Students will investigate the application of machinery and its maintenance as well as the optimization of farm systems.

PREREQUISITE(S)/COREQUISITE: AG1000

REQUIRED TEXT/RESOURCE MATERIALS: No text books required

DELIVERY MODE(S): On-campus (face-to-face) – This type of course will be delivered on campus in a specific location which will be indicated on the student timetable. Students are expected to fully attend in person.

LEARNING OUTCOMES:

1. Demonstrate a comprehensive understanding of the applications, components, and fundamental operating principles of modern agricultural machinery.
2. Assess performance factors to optimize machinery use for efficiency, safety, and productivity in various agricultural settings.
3. Explain the role of technology and automation in modern agricultural machinery, demonstrating how these advancements contribute to precision, efficiency, and sustainability in agricultural operations.
4. Demonstrate the ability to perform routine maintenance and troubleshooting on agricultural machinery, identifying and resolving common issues to ensure operational efficiency.
5. Model safe farm procedures related to the operation and maintenance of agricultural machinery.
6. Explain and evaluate the principles and practices of grain handling and storage systems, demonstrating the ability to assess efficiency, safety, and quality management in the movement and preservation of grain.

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:

GRADING CRITERIA

Please note that most universities will not accept your course for transfer credit **IF** your grade is **less than C-**.

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

Grades for this course will be assigned as a percentage.

EXAMINATIONS & ATTENDANCE

Please review NWP's Examination and Grading policies.

Attendance will not be assigned a mark in this class; however, attendance will be taken, and unexplained or unexcused absences will result in mark deductions. A student who is not present for a lecture period in which a quiz or exam occurs, scheduled or not, will not be given a chance to make up that quiz and will be awarded a mark of zero for that quiz/exam. Assignments **MUST** be submitted by the scheduled due date and time: a mark of zero will be given for any late assignment.

Situations which may also result in mark deductions (at the instructor's discretion):

- Unexplained or unexcused absence (at the instructor's discretion)
- Coming late to class, especially if this is a regular occurrence
- Use of cell phone in class
- Use of computer or other electronics in class, unless approved beforehand by instructor. If use is approved, students using laptops or

tablets must sit at the back of the class, without headphones or earbuds, so as not to distract other students. If students are using these devices for reasons other than what is required for class, deductions may occur

- Any handwritten material submitted to an instructor must be in blue or black pen
- Use of any unapproved electronics during quizzes or exams will be considered cheating and will result in an academic misconduct
- This course involves field tours to businesses off-campus. If students have unexplained or unexcused absence along with disruptive behavior during tours, will result in grade deductions.

A personal laptop computer will be required for some exams and quizzes, but plug-in availability is limited so charge your computer ahead of time.

	Mark Distribution
A. Quizzes & Assignments & Projects	60%
B. Final Written Exam	25%
C. Final Project Presentation	15%
TOTAL	100%

A minimum of 60% must be obtained in order to successfully pass AG1200.

COURSE SCHEDULE/TENTATIVE TIMELINE: TBA

STUDENT RESPONSIBILITIES:

Commented [HK1]: These highlighted areas tend to be specific for our courses as they write in medical records. You can remove the medical corrections only part. You may not want to mark them on spelling but that is up to you.

Commented [JB2]: I added this comment

Commented [HK3R2]: that looks great an covers professionalism during the tour

Enrolment at NWP assumes that the student will become a responsible citizen of the Polytechnic Institute. As such, each student will display a positive work ethic, take pride in and assist in the maintenance and preservation of Institute property, and assume responsibility for his/her education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting instructor expectations concerning attendance, assignments, deadlines, and appointments.

INFORMATION TECHNOLOGY:

NWP servers may be monitored. Student accounts are visible via ABTutor and student activity on NWP networks may be monitored during supervised exams and/or anytime students are on NWP networks. This collection of and access to this personal information listed above as permitted by the *Freedom of Information and Protection of Privacy Act*.

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:

Students may be required to print off their own notes packages, available on D2L BrightSpace under the appropriate course heading.

Exams will occur onsite/in-person as well and may require a personal computer to complete. Technological support is available through helpdesk@nwpolytech.ca