

DEPARTMENT OF EDUCATION

COURSE OUTLINE – Winter 2024

CD 2050 (EC): Science, Math and Social Knowledge – 3 (3-0-0) 45 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:	Desiree Klause	PHONE:	780-539-2213
OFFICE:	H228	E-MAIL:	dklause@nwpolytech.ca
OFFICE HOURS:	By appointment.		

CALENDAR DESCRIPTION: This course introduces students to science, mathematical, and social knowledge. The course emphasis is on integrating social, physical, and logical mathematical experiences in the preschool child's environment. Students learn to use developmentally appropriate curriculum to facilitate the young child's construction of knowledge in these areas.

LOCATION/TIME: Online. January 8 – April 19.

PREREQUISITE(S)/COREQUISITE: Successful completion of all first-year courses or by consent of department.

REQUIRED TEXT/RESOURCE MATERIALS: N/A

DELIVERY MODE(S): Online Distance Delivery

LEARNING OUTCOMES:

Upon successful completion of this course, students will be able to:

- Recognize a social-constructivist curriculum and explain how it supports children's science, mathematical and social knowledge.
- Outline the steps in scientific inquiry.
- Recognize scientific knowledge, mathematical knowledge and social knowledge in early childhood programs.
- Plan, implement and evaluate science based early childhood curriculum.

- Plan, implement and evaluate mathematical based early childhood curriculum.
- Plan, implement and evaluate social based early childhood curriculum

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:

All submitted work is graded according to the grading criteria set for the learning activity or assignment submitted.

GRADING CRITERIA:

Northwestern Polytechnic uses the **ALPHA** grading system as described in the table below:

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

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

C-.

COURSE SCHEDULE/TENTATIVE TIMELINE:

There are due dates for unit written work completion listed throughout the course notes in each Unit – this will help students stay on track to a successful completion of the course.

Course Start Date: January 8, 2024 - Course End Date: April 19, 2024

Unit and Dates	Learning Activities	Assignment
	Due Date	Due Date
Unit 1	January 19	January 26
Unit 2	February 9	February 16
Unit 3	March 8	March 15
Unit 4	April 5	April 19

All work is due by 11:59 p.m. on the dates indicated above.

All course work **MUST** be completed in order to pass this course. Students must receive a grade of C- or above to pass this course. All learning activities and assignments must be submitted in full by the end date in order to pass this course unless an extension has been agreed upon by the student and instructor **PRIOR** to the course end date.

STUDENT RESPONSIBILITIES:

Northwestern Polytechnic expects students' conduct to be in accordance with basic rights and responsibilities. Please refer to the NWP calendar regarding rights and responsibilities.

- Both the student and the instructor have the right to experience a favourable learning/teaching experience and the responsibility to engage in appropriate behaviour that positively supports learning.
- To meet all submission deadlines.
- To participate in discussion boards when requested by the instructor.
- To have computer hardware and software that meets standards set for online delivery.
- Student must be familiar with the *Distance Education Student Handbook*, and any regulations, policies and student conduct that apply to students studying via online deliver, as outlined in the Northwestern Polytechnic calendar.

See Student Rights and Responsibility for information regarding academic and non-academic conduct.

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.