DEPARTMENT OF EDUCATION
COURSE OUTLINE – Spring 2023
CD2050: Math, Science, and Social Knowledge – 3 (5.5-0-0) 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: Jennifer Durling **PHONE:** 780-271-9107
OFFICE: N.A. **E-MAIL:** jdurling@nwpolytech.ca
CONTACT: Daily Monday to Saturday, Noon to 8 p.m.

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.

PREREQUISITE(S)/COREQUISITE:
Successful completion of all first-year courses OR consent of the department

REQUIRED TEXT/RESOURCE MATERIALS:
N/A

DELIVERY MODE(S): Online Distance Delivery

COURSE OBJECTIVES: This course introduces students to:

1. How a social-constructivist curriculum can promote and support children's science, mathematical and social knowledge.
2. What scientific inquiry means in early childhood programs.
3. What scientific knowledge, mathematical knowledge and social knowledge means in early childhood programs and describe young children's development of scientific, mathematical and social knowledge.
4. Opportunities to plan developmentally appropriate, child-centered scientific, mathematical and social based curriculum in early childhood programs.

LEARNING OUTCOMES:
On completion of this course the student will be able to:

1. Recognize a social-constructivist curriculum and explain how it supports children's science, mathematical and social knowledge.
2. Outline the steps in scientific inquiry.
3. Recognize scientific knowledge, mathematical knowledge and social knowledge in early childhood programs.
4. Plan, implement and evaluate science based early childhood curriculum.
5. Plan, implement and evaluate mathematical based early childhood curriculum.
6. 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.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: (The following criteria may be changed to suite the particular course/instructor)
Please note that most universities will not accept your course for transfer credit **IF** your grade is **less than C-**.

Alpha Grade	4-point Equivalent	Percentage Guidelines		Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	90-100		C+	2.3	67-69
A	4.0	85-89		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: 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.

STUDENT RESPONSIBILITIES:
Northwestern Polytechnic expects students' conduct to be in accordance with basic rights and responsibilities. Please refer to the NWTP calendar regarding rights and responsibilities. Checking myClass for all announcements or General information, checking GPRC e-mail for email from the instructor, submission of learning activities and assignments by the due date.

STATEMENT ON PLAGIARISM AND CHEATING:

Cheating and plagiarism will not be tolerated and there will be penalties. For a more precise definition of plagiarism and its consequences, refer to the Student Conduct section of the College Calendar at https://www.nwpolytech.ca/programs/calendar/ or the College Policy on Student Misconduct: Plagiarism and Cheating at https://www.nwpolytech.ca/about/administration/policies/index.html

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