



DEPARTMENT: Human Services

COURSE OUTLINE – Fall 2021

CD2050: Math, Science, and Social Knowledge – 3 (5.5-0-0) 45 Hours for 15 Weeks

Grande Prairie Regional College respectfully acknowledges that we are located on Treaty 8 territory, the traditional homeland and gathering place for many diverse Indigenous peoples. We are honoured to be on the ancestral lands of the Cree, Dene/Beaver and Métis, whose histories, languages, and cultures continue to influence our vibrant community. We are grateful to have the opportunity to work, learn, and live on this land.

INSTRUCTOR: Andrea Thiessen **PHONE:** (250) 801-4674

OFFICE: Online **E-MAIL:** athiessen@gprc.ab.ca

OFFICE HOURS: Email: Anytime, Phone: Monday-Friday 7-9pm or 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.

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

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:

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:

Course Start Date: September 1, 2021 - Course End Date: December 15, 2021

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.

This course has 4 self-study units.

All learning activities and assignments for Unit 1 are due by: **September 25, 2021**

All learning activities and assignments for Unit 2 are due by: **October 20, 2021**

All learning activities and assignments for Unit 3 are due by: **November 20, 2021**

All learning activities and assignments for Unit 4 are due by: **December 15, 2021**

STUDENT RESPONSIBILITIES:

1. 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.
2. To meet all submission deadlines.
3. To participate in discussion boards and Blackboard Collaborate sessions, when requested by instructor.
4. To have the latest version of the course textbook.
5. To have computer hardware and software that meets standards set for online delivery.
6. 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 college calendar.

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 <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at <https://www.gprc.ab.ca/about/administration/policies>

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