



DEPARTMENT: Human Services

COURSE OUTLINE – Fall 2019

CD2050 Science, Math & Social Knowledge – 3 (5.5-0-0) 45 Hours 8 Weeks

INSTRUCTOR: Cassandra Kostuk **PHONE:** 780.832.5892
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OFFICE HOURS: Email: anytime; Phone: Mon-Friday 7-9p.m. 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:

No transfer information available.

***Warning:** Although we strive to make the transferability information in this document up-to-date and accurate, **the student has the final responsibility for ensuring the transferability of this course to Alberta Colleges and Universities.** Please consult the Alberta Transfer Guide for more information. You may check to ensure the transferability of this course at Alberta Transfer Guide main page <http://www.transferralberta.ca> or, if you do not want to navigate through few links, at <http://alis.alberta.ca/ps/tsp/ta/tbi/onlineresearch.html?SearchMode=S&step=2>

**** 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 DUE DATE TIMELINE:

Course Start Date: October 15th, 2019 - Course End Date: January 28th, 2020

All course work **MUST** be completed in order 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: **October 27th, 2019**

All learning activities and assignments for Unit 2 are due by: **November 17th, 2019**

All learning activities and assignments for Unit 3 are due by: **December 8th, 2019**

All learning activities and assignments for Unit 4 are due by: **January 28th, 2020**

All work is due by midnight on the dates listed above. Students are welcome to submit work before the scheduled due date. It is up to you whether you submit one learning activity at a time or a whole batch at once.

I do recommend you submit your first learning activity on its own and wait for grading so you can familiarize yourself with my expectations and grading style before continuing.

It is also recommended that you look ahead to the larger assignments in units 3, 4 & 5 to make sure you give yourself ample time to collect the necessary observations and implement them effectively.

The due date timeline takes into account that many students have a higher than normal amount of obligations and/or have holiday time with their families from mid December-mid January. Early learning environments may be closed or have lower than usual attendance during this time, making it challenging to complete your coursework.

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

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