



**DEPARTMENT: Human Services**

**COURSE OUTLINE – Summer 2016**

**CD2050 Science Math and Social Knowledge – 45 Hours for 15 Weeks**

**INSTRUCTOR:** Muriel Underwood      **PHONE:** 780.539.4498  
**OFFICE:** N/A      **E-MAIL:** munderwood@gprc.ab.ca  
**OFFICE HOURS:** Email: anytime; Instructor night: 7:00 PM – 10:00 PM 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:**

1. To explain how a social-constructivist curriculum can promote and support children's science, mathematical and social knowledge.
2. To explain what scientific inquiry means in early childhood programs.
3. To define 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. To provide student with opportunities to plan developmentally appropriate, child-centred scientific, mathematical and social based curriculum in early childhood programs.

**LEARNING OUTCOMES:**

1. Student should be able to recognize a social-constructivist curriculum and explain how it supports children's science, mathematical and social knowledge.
2. Student should be able to outline the steps in scientific inquiry.
3. Student should be able to recognize scientific knowledge, mathematical knowledge and social knowledge in early childhood programs.

4. Student should be able to plan, implement and evaluate science based early childhood curriculum.
5. Student should be able to plan, implement and evaluate mathematical based early childhood curriculum.
6. Student should be able to 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/onlineSearch.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 TIMELINE:**

July 15, 2016 to November 15, 2016

### **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.