



DEPARTMENT OF HUMAN SERVICES

COURSE OUTLINE – FALL 2013

CD2050 SCIENCE, MATH AND SOCIAL KNOWLEDGE – 3 (3-0-0) 45 HOURS

INSTRUCTOR: Kimberly Living **PHONE:** 780-539-2708 office

OFFICE: H 129 **E-MAIL:** kliving@gprc.ab.ca

OFFICE HOURS: Tuesday 1:00-3:00, Wednesday 10:00-12:00, or by appointment.

PREREQUISITE(S)/COREQUISITE:

Successful completion of all first year courses OR consent of the department

TIME: Mondays 1:00-3:50, Wednesdays 1:00-3:20

LOCATION: A209

REQUIRED TEXT/RESOURCE MATERIALS:

Worth, K., & Grollman, S. (2003). *Worms, shadows, and whirlpools: Science in the early childhood classroom*. Washington, DC: National Association for the Education of Young Children.

Canadian Child Care Federation (2010). *Foundations for numeracy: An evidence-based toolkit for early learning practitioners*. Toronto: CCCF and CL/CLRN.

**There may be additional costs incurred for photocopying and materials for presentation assignments

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.

CREDIT/CONTACT HOURS: 3(3-0-0) / 45 hours

DELIVERY MODE(S):

Classroom instruction will include a combination of lectures, discussions, small and large group work. Audio-visual materials and other resources will also be used.

OBJECTIVES:

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

- describe young children's development of physical, social, and logical mathematical knowledge
- use a developmentally appropriate approach to plan a variety of experiences that will facilitate the child's development of physical, social, and logical mathematical knowledge

TRANSFERABILITY:

**** 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**

GRADING CRITERIA:

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	4-point Equivalent	Percentage Guidelines	Designation
A⁺	4.0	90 – 100	EXCELLENT
A	4.0	85 – 89	
A⁻	3.7	80 – 84	FIRST CLASS STANDING
B⁺	3.3	77 – 79	
B	3.0	73 – 76	GOOD
B⁻	2.7	70 – 72	
C⁺	2.3	67 – 69	SATISFACTORY
C	2.0	63 – 66	
C⁻	1.7	60 – 62	MINIMAL PASS
D⁺	1.3	55 – 59	FAIL
D	1.0	50 – 54	
F	0.0	0 – 49	FAIL
WF	0.0	0	FAIL, withdrawal after the deadline

GRADING CRITERIA: Minimum pass in the Department of Human Services is C-effective August, 2012.

EVALUATION:

Assignment #1 = 30%

Assignment #2 = 30%

Assignment #3 = 30%

Attendance = 10%

LATE ASSIGNMENTS:

Assignments are to be submitted by 4:30 p.m. on the due date. Unless arrangements have been made with the instructor prior to the assignment due date, late assignments will be docked 5% per week. If the assignment is not received within two weeks of the initial due date, a grade of zero will be given. Assignments that are placed in the instructor's mailbox must have the time and date recorded by the administration staff.

ATTENDANCE:

Regular attendance is crucial for student success. More than 20% absenteeism may constitute a failure except for medical or extenuating circumstances in which a doctor's letter may be required.

STUDENT RESPONSIBILITIES:

The college expects students' conduct to be in accordance with basic rights and responsibilities. Refer to the College Admissions Guide at <http://www.gprc.ab.ca/programs/calendar/> or www.gprc.ab.ca/about/administration/policies/

STATEMENT ON PLAGIARISM AND CHEATING:

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 www.gprc.ab.ca/about/administration/policies/**

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

COURSE SCHEDULE/TENTATIVE TIMELINE:

Date	Topic
Week 1	Introductions
Week 2-4	Math Concepts in Early Childhood Settings
Weeks 5-7	Science Concepts in Early Childhood Settings
Week 8	Application of theory to practice for Math, Science, and Social Knowledge in Early Childhood Settings