



DEPARTMENT OF HUMAN SERVICES

COURSE OUTLINE – FALL 2012

CD 2050 – MATH SCIENCE AND SOCIAL KNOWLEDGE

INSTRUCTOR: Andrea Thiessen **PHONE:** 780-539-2708 Office
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OFFICE HOURS: TBA

PREREQUISITE(S)/COREQUISITE:

Completion of first year OR permission of department

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 credit/45 hours

DELIVERY MODE(S):

Lectures, guest speakers, in and out-of-class activities and assignments

OBJECTIVES (OPTIONAL):

On successful completion of this course, you should be able to:

1. Describe young children's development of physical, social, and logical mathematical knowledge.
2. 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 – Minimal Pass
C	2.0	63 – 66	
C⁻	1.7	60 – 62	
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

EVALUATIONS:

There are no formal examinations in this course.

STUDENT RESPONSIBILITIES:

Refer to the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or <http://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:

To be handed out in the 2nd week of classes along with the assignment package.