



DEPARTMENT OF HUMAN SERVICES  
COURSE OUTLINE - FALL 2015  
CD 2050 MATH, SCIENCE AND SOCIAL KNOWLEDGE

*To be recognized for educational excellence in the fields of early learning & childcare and educational assistant training.*

**INSTRUCTOR:** Terrah Lindsay B.Sc., M.S.

**OFFICE:** H134      **PHONE:** 539-2047

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**OFFICE HOURS:** Mondays 11:30 - 12:30, Tuesdays and Thursdays: 12:00 - 12:30

**PREREQUISITE(S)/COREQUISITE:**

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

**TIME:** Mondays 1:00-3:50,      Tuesday/Thursday 8:30 -10:00

**LOCATION:** L229 (M) and H135 (T & R)

**REQUIRED TEXT/RESOURCE MATERIALS:** The readings required for this course are available on moodle including:

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

Early Mathematics Literacy for Preschoolers who are Blind or Visually Impaired. Janis Morrison and Susan Guilbault, Education Consultants for the Visually Impaired, AB Education 2010.

*\*\*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(5.5-0-0) / 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.

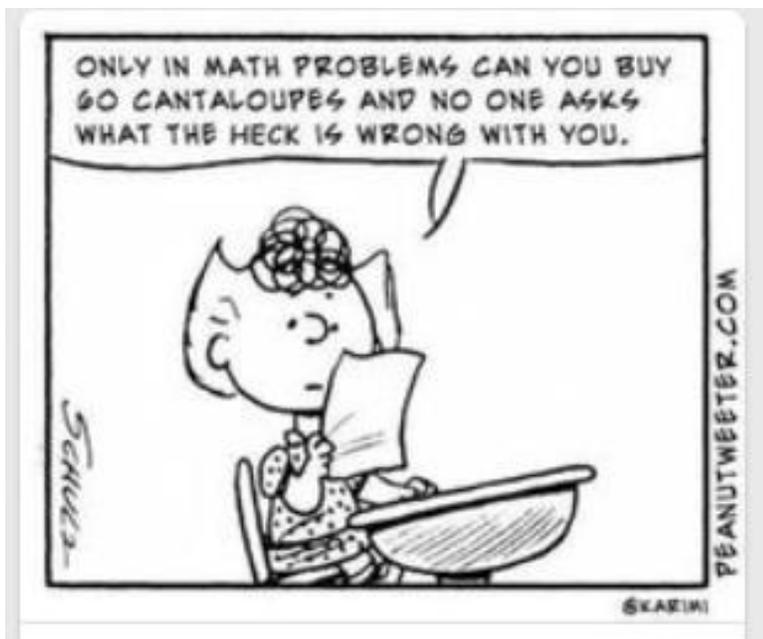
**OBJECTIVES:**

Students will gain an understanding of young children's development - specifically with physical, social and logical mathematical knowledge.  
Students will learn about planning experiences that facilitate children's development in the above areas.

**LEARNING OUTCOMES:**

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

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



**GRADING CRITERIA:**

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

**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: Minimum pass in the Department of Human Services is C-.**



## **EVALUATIONS (How you get marks):**

Invitation for Learning MATH	25%
Invitation for Learning SCIENCE FAIR	25%
Pinterest Resource	15%
Nature Walk	15%
In class assignments	20%

**ALL assignments must be completed in order to receive credit in the course.**

*Note: assignments require the use of photos of children from the Children's Centre Demonstration Preschool Program. ALL photos are for assignment purposes ONLY and are not to be shared through print and/or electronic media.*

## **ATTENDANCE:**

Regular attendance is crucial for student success. If a student misses more than 20% of scheduled classes, a grade of 'O' will be assigned.

## **STUDENT RESPONSIBILITIES:**

*It is the right of the student and of the instructor to a favorable learning/teaching environment. It is the responsibility of the student and the instructor to engage in appropriate adult behaviors that positively support learning. This includes, but is not limited to treating others with dignity and respect. Cell phones are to be used outside of class time. Students are responsible for missed class time, including the gathering of resources handed out during class. Be sure to check moodle.*

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/](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/\\*\\*](http://www.gprc.ab.ca/about/administration/policies/**)

## **COURSE SCHEDULE/TENTATIVE TIMELINE:**

*Please see attached for course schedule (note, the schedule is tentative and subject to revision).*