



DEPARTMENT OF HUMAN SERVICES
COURSE OUTLINE - FALL 2017

CD 2050 MATH, SCIENCE AND SOCIAL KNOWLEDGE 3(5.5-0-0) 45 HOURS

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

EMAIL: tlindsay@gprc.ab.ca

OFFICE HOURS: Wednesdays 10:00 - 11:30, Tuesdays/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.

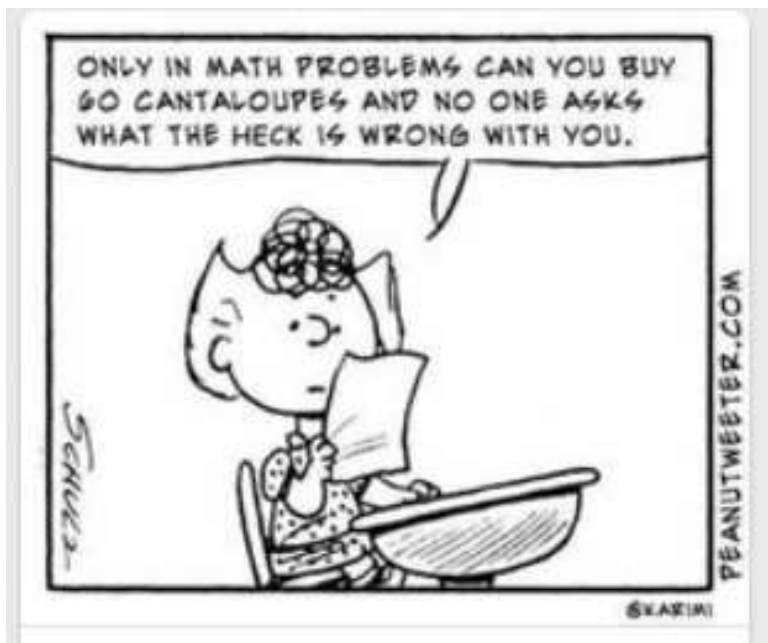
OBJECTIVES:

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:

| 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 |

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):

MATH:

| | |
|--------------------------------------|-----|
| Kit | 15% |
| Assignment | 20% |
| Invitation for Learning SCIENCE FAIR | 25% |
| Pinterest Resource | 10% |
| Nature Walk | 10% |
| Quiz | 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 DayCare Program. ALL photos are for assignment purposes ONLY and are not to be shared through print and/or electronic media.

- ALL assignments must be completed in order to receive credit in the course.
- Assignments are due by 12 midnight on the day they are due. Assignments are to be submitted through Moodle. There is no "late policy", assignments are to be handed in when they are due. If you anticipate or experience "situations" please contact me.
- Assignment descriptions will be discussed in class and will be available on Moodle. Assignment format will also be available on Moodle.
- Attendance is strongly encouraged in order for you to understand the theory and concepts of the course. If your absences exceed more than 20 %, you may be asked to withdraw from the course.
- If you are absent for class, please check with your course schedule and Moodle.

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.

It is the student's responsibility to become familiar with the basic student rights and responsibilities found in the College calendar. Students are responsible for missed class times, including the gathering of resources handed out during class.

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

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

COURSE SCHEDULE/TENTATIVE TIMELINE:

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