DEPARTMENT OF HUMAN SERVICES

COURSE OUTLINE – FALL 2018

CD2050 –Science, Math and Social Knowledge – 3(5.5-0-0) 45 HRS

INSTRUCTOR:	Cassandra Kostuk	**PHONE:**	O:780-539-2047 C:780-832-5892
OFFICE:	H134	**E-MAIL:**	ckostuk@gprc.ab.ca

OFFICE HOURS: 10:30 a.m.-12:30 p.m. Tuesdays/Thursdays or by appointment

LOCATION/ TIME: Tuesday/Thursday 8:30-9:50 a.m. E311 & Wednesday 1-3:20 p.m. B206

DELIVERY MODE(S): Classroom instruction will include a combination of lectures, discussions, hands on small and large group work. Audio-visual materials and other resources will also be used.

Students are encouraged to come to class daily ready for messy play, outdoor adventures and ready to engage fully in play spaces with children no matter the weather.

PREREQUISITE(S)/COREQUISITE: Successful completion of all first year courses OR consent of the Department

REQUIRED TEXT/RESOURCE MATERIALS:

Readings required for this course can be accessed by students 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.

Additional reading material and/or audio/visual resource material may be handed out in class.

**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.

COURSE OBJECTIVES:

This course intends to provide students with:

- An understanding of young children's development in terms of physical, social and logical mathematical knowledge.
- Practical opportunities to plan experiences that facilitate children's development in the above mentioned 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.

"Flight: Alberta's Early Learning and Care Framework", is a leading curriculum for the early learning and child care profession. Each course in GPRC's Early Learning and Child Care program will encompass at least one of the areas from the framework such as: the vision, values, purpose and guiding principles of the framework, the curriculum core concepts from the framework: (The Image of the Child: A Mighty Learner and Citizen, A Practice of Relationships: Your Role as an Early Learning and Child Care Educator which includes curriculum meaning making as co-leaners, co-researchers and co-imaginer of possibilities, Mighty Learners: Nurturing Children's Dispositions to Learn, Co-inquiry, Responsive Environments: Time, Space, Materials and Participation, Transitions and Continuities: Supporting Children and Families through Change), discussion of Holistic Play-Based Goals for Children's Responsive Care, Play, Learning and Development and Children's Dispositions to Learn, Reflection and Planning Guides as well as Curriculum Learning Stories.

The concepts will be covered in a variety of different ways depending on the course and may include discussion, readings, and assignments.

COURSE SCHEDULE/TENTATIVE TIMELINE:

This schedule is tentative, and is subject to change. Please complete the textbook readings prior to class.

Date	Topic	Date	Topic
Sept 5	Intro to course Intro to science, math and social knowledge	Oct 2	Math Knowledge
Sept 6	Intro to science, math and social knowledge	Oct 3	Math Knowledge
Sept 11	Physical Science Knowledge	Oct 4	Math Knowledge
Sept 12	Physical Science Knowledge	Oct 9	Math Knowledge
Sept 13	Physical Science Knowledge	Oct 10	Math Knowledge
Sept 18	Physical Science Knowledge	Oct 11	Social Knowledge
Sept 19	Physical Science Knowledge	Oct 16	Social Knowledge
Sept 20	Physical Science Knowledge	Oct 17	Social Knowledge
Sept 25	Physical Science Knowledge	Oct 18	Social Knowledge
Sept 26	Math Knowledge	Oct 23	Social Knowledge
Sept 27	Math Knowledge	Oct 24	Social Knowledge
		Oct 25	Social Knowledge Last class

Due dates for assigned reading and assignments will be discussed in class

ATTENDANCE:

Regular attendance is essential 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.

EVALUATIONS:

In Class Quizzes: 15%
Science Assignment: 25%
Math Assignment: 25%
Social Assignment 25%
Pinterest Assignment: 10%

Submit your assignments on time. On time means on the due date assigned by the instructor.

Any assignment turned in and considered not to be your own work will result in the assignment being graded "0" and no opportunity to make up the assignment or missed points.

All assignments that are placed in the instructor's mailbox must have the time and date recorded by the administration staff.

All assignments must be submitted in order to pass this course.

LATE ASSIGNMENTS:

1) Late assignments will only be accepted if prior arrangements have been made with the instructor in writing, at least one week prior to the assignment due date.
2) 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.

GRADING CRITERIA:

Please note: A minimum grade of C- is required to pass this course.

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	
D+	1.3	55 – 59	MINIMAL PASS
D	1.0	50 – 54	
F	0.0	0 – 49	FAIL
WF	0.0	0	FAIL, withdrawal after the deadline

TRANSFERABILITY:

A list of institutions to which this course transfers (For example: UA, UC, UL, AU, GMU, CU, CUC, KUC. Please note that this is a sample and it must be replaced by your specific course transfer)

*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.transferalberta.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**

STUDENT RESPONSIBILITIES:

The College expects student conduct to be in accordance with basic rights and responsibilities.. For more precise information please refer to the Student Conduct section of the College Calendar at http://www.gprc.ab.ca/programs/calendar/ or the College Policy on Student Responsibilities at https://www.gprc.ab.ca/about/administration/policies

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 Calendar at http://www.gprc.ab.ca/programs/calendar/ or the College Policy on Student Misconduct: Plagiarism and Cheating at https://www.gprc.ab.ca/about/administration/policies