

Education 475-4, group D1

Designs for Learning: Elementary Mathematics

Summer, 2002

Sessional Instructor: Irene Percival

Office hours: by appointment
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Room: MPX 7500(Back)

Time: Thursday, 1:00 to 4:50 pm

Dates: May 9 to August 1

Texts: British Columbia Ministry of Education. (1996). Mathematics K-7: Integrated Resource Package. Victoria, BC: Author.
[available on-line at <http://www.bced.gov.bc.ca/irp/>]

Van de Walle, J. A. (2001). Elementary and middle school mathematics: Teaching developmentally (4th ed.). New York, NY: Longman.

Course Schedule:

<u>Date</u>	<u>Topic</u>	<u>Textbook Readings</u>		<u>Assignment Deadlines</u>
		<u>IRP</u>	<u>Van de Walle</u>	
May 9	Introduction		(1)	
May 16	Overview	Preface	2, 3 (24)	
May 23	Effective instruction	Introduction	22, (23)	
May 30	Problem solving	Appendix G	4	(Project approval)
June 6	Assessment	Appendix D	5	Investigation ass't
June 13	Numerical operations	Number	7, (6)	
June 20	Place value & Integers	(Number)	9, (8), (21)	Technology ass't
June 28	Measurement & Geometry	Shape and Space	16, 17	
July 3	Whole number computations	(Number)	10, (11)	Print resources ass't
July 10	Fractions	(Number)	12, (13)	(Project progress report)
July 17	Decimals & percents	(Number)	14, (15)	Activity reflection ass't
July 24	Algebraic Reasoning	Patterns & Relations	19, (20)	
August 1	Probability & Data Analysis	Statistics & Probability	18	Individual project

Course Requirements (assignment descriptions will be distributed at the first class.)

1. Investigation Assignment (20%)
2. Technology Assignment (20%)
3. Print Resources Assignment (20%)
4. Activity Reflections Assignment (20%)
5. Individual Project (20%)

Each assignment will be marked on an 11-point scale: 0, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

(see over)

Grading Structure

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<u>Total Marks</u>	<u>Grade</u>
96 - 100	A+
91 - 95	A
86 - 90	A-
81 - 85	B+
76 - 80	B
71 - 75	B-
66 - 70	C+
61 - 65	C
56 - 60	C-
46 - 55	D
00 - 45	F

The instructor reserves the right to move grades one step up or down based on attendance and participation.