

Summer Semester 2002

EDUC 475 - 4
Designs for Learning:
Elementary Mathematics
D01.00

Irene Percival
 Office: TBA
 Phone: 291-3395 / 299-5430
 E-mail: irene_percival@sfu.ca
 Office Hours: by appointment

Thursday 13:00-16:50 in EDB 7500B

PREREQUISITE: EDUC 401/402

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</u> <u>Deadlines</u>
		<u>IRP</u>	<u>Van de Wallé</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

GRADING STRUCTURE

<u>Total Marks</u>	<u>Grade</u>	
96 - 100	A+	
91 - 95	A	
86 - 90	A-	
81 - 85	B+	The instructor reserves the right to move grades one step up or down based on attendance and participation.
76 - 80	B	
71 - 75	B-	
66 - 70	C+	
61 - 65	C	
56 - 60	C-	
46 - 55	D	
00 - 45	F	