

Syllabus

Course Information

Course title: Physical Science for Elementary Education
Course number: PHYS 209/SCIE 209
Course discipline: Teacher Education
Course description: This is a hands-on, lab course designed to meet the needs of future elementary teachers. We meet for a three hour session each class. We cover selected topics taken from or related to the Ontario Curriculum for grades 1-8 where basic concepts are often misunderstood; these may be taken from Light, Electricity, Motion, and Forces.
Course date: Tuesday, July 4, 2006 through Thursday, August 17, 2006
Location: SC305
Meeting day(s): Monday, Tuesday, Wednesday, and Friday
Meeting time(s): 09:00 - 12:00
Prerequisite(s): None. Students majoring in a physical science or maths are excluded. It is assumed that all students plan to become elementary school teachers.

Instructor Information

Name: Johann Beda
Email: jbeda@trentu.ca
Office location: Trent Physics Building - SC318
Phone: (705) 748-1011 x5279 - use email instead

Course Worksheets (\$35)

Required reading: *Powerful Ideas in Physical Science*, American Association of Physics Teachers

Evaluation

Introduction: Course activities include: daily hands-on lab exercises, worksheets and classroom participation; daily homework assignments; daily personal journal entries; assignments; three quizzes; and a final exam.
Requirements: Detailed weightings to be decided after the start of class. The following is approximately what previous classes have decided upon:

1/8 - Homework (drop lowest)
1/4 - Labs (drop lowest)
1/4 - Assignments (three)
1/8 - Quizzes (three)
3/16 - Final
1/16 - Participation(2)/Attendance(4)/Journals(4)

100 - Total

Note: departmental policy requires that a minimum of 35% must be obtained on the combined quiz and final exam components to pass this course. If not, a course grade of 45% is the maximum that can be assigned.

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