

Western New England College
Department of Education
Course Syllabus EDUC 375 02

Semester Spring 2008
Course EDUC 375-02
Dates January – May, 2008
Day TTH
Time 2:00 PM – 3:20 PM
Classroom D 319
Instructor Molly Munkatchy, PhD
Office Hours MW 1:00 PM – 3:30 PM
Office Phone 413-746-2271
Email mmunkatc@wnec.edu

Course Description:

This course places an emphasis on the development of concepts in mathematics, science, and social studies in grades 1-6. As a result of taking this course, students learn to balance direct elementary instruction with facilitated learning using physical models, manipulatives, and primary sources. Students demonstrate familiarity with current curriculum models and standards, instructional strategies, and instructional materials. Students complete lesson plans for curriculum units, using the Massachusetts Curriculum Frameworks as a resource, and plan and demonstrate math, science, and social studies lessons using appropriate manipulatives, technology, physical models, cooperative learning techniques, and various assessment tools. Student performance is assessed by written assignments, lesson plan designs, and other content specific assignments.

Required Textbook:

Math Matters: Understanding the Math You Teach by Suzanne H. Chapin and Art Johnson
The Essentials of Science, Grades K-6 by Rick Allen

Course Objectives:

Through active participation in the course, students will

1. Develop an understanding of the content and processes found in the mathematics, science, and social studies state frameworks and national standards.
2. Evaluate assumptions about the nature of mathematics, science, and social studies teaching and learning for elementary students.
3. Write measurable objectives aligned to state standards.
4. Determine common standards and criteria to create student assessments.
5. Analyze a variety of instructional strategies that demonstrate strong content, promote critical thinking and problem-solving, and help students connect learning.
6. Design three standards-based integrated lessons and a community based project.

Course Web Page

Manhattan Web Site, <http://manhattan.wnec.edu>

Course Expectations

1. Students are expected to attend seminar sessions.
2. Students are expected to bring required texts/materials to class.
3. Students are expected to be prepared for class and contribute to the class discussion.
4. Students are expected to log on to the class web site on a regular basis for announcements, email, assignments, etc.
5. Students are expected to complete all assignments. Late assignments will not receive full credit.

Assignment Descriptions and Due Dates:

Response Sheets: Students will answer 1-4 open ended questions on the reading assignment. The response sheets will be completed in class.

Social Studies Project: Co-Curricular Unit: Design a co-curricular unit integrating Social Studies and another content area. Refer to the Social Studies Checklist and Scoring Rubric in the Assignment Module. Due by April 24, 2008.

Mathematics Project: Standards-Based Unit: Design a week-long standards-based mathematics unit. Select a grade level, strand, and topic. Build a unit by answering the following questions: What knowledge will students be learning? How will one know if the students have learned the required knowledge? What will be done to help students learn the required knowledge? Refer to the Unit Checklist and Scoring Rubric in the Assignment Module. Due by March 6, 2008.

Science Project: Science Investigation. Design a science lesson using the 5 E Model (Engage, Explore, Explain, Extend, and Evaluate). Refer to the Science Investigation Unit and Scoring Rubric in the Assignment Module. Due by April 10, 2008.

Community Based Project: Design a blueprint for a Social Studies and/or Science unit focuses on a community/service learning project. Refer to the Community Based Project Checklist and Scoring Rubric in the Assignment Module. Due by May 2, 2008.

Readings: Critically read the assigned chapters and/or articles. Assigned readings need to be completed before class.

Date	Assigned Readings	Pages	Content Topic	Instructional Topic
1/15	Math Matters	1-18	Number Sense	MA Frameworks
1/17	Math Matters	21-37	Computation	National Standards
1/22	Math Matters	40-51	Addition/Subtraction	Response Sheet
1/24	Math Matters	53-70	Multiplication/Division	Lesson Planning
1/29				Lesson Plan Resources*
1/31	Math Matters	73-95	Fractions	Response Sheet
2/5	Math Matters	98-108	Decimals	Cooperative Learning
2/7	Math Matters	111-121	Percents	Cooperative Learning
2/12	Math Matters	123-140	Algebra	Assessments
2/14	Math Matters	145-158	Plane Geometry	Assessments
2/19	Math Matters	161-175	Spatial Sense	Response Sheet
2/21				Technology Integration*
2/26	Math Matters	177-194	Measurement	Questioning
2/28	Math Matters	196-211	Statistics	Questioning
3/4	Math Matters	214-225	Probability	Response Sheet
3/6				Lesson Plan Presentations
3/11	Essentials of Science	1-18	Inquiry	MA Frameworks
3/13	Essentials of Science	19-33	Curriculum	5 E Lesson Planning
3/25				Lesson Plan Resources*
3/27	Essentials of Science	34-64	Grade Levels	Response Sheet
4/1	Essentials of Science	65-81	Science Integration	Community Based Learning
4/3	Essentials of Science	82-95	Science Notebooks	Graphic Organizers
4/8				Technology Integration*
4/10				Lesson Plan Presentations
4/15	History/ Primary Doc	Readings can be viewed or downloaded from Manhattan's Handout section.		MA Frameworks/Lesson Planning
4/17				Lesson Plan Resources*
4/22				Technology Integration*
4/24				Lesson Plan Presentations
4/29	Geography			Community Based Learning
5/1	Economics/ Civics			Community Based Learning
Final				Project Presentation

* Class will be held in Churchill's computer lab, #303 .

Assignment Number Points Total Points

Assignment	Number	Points	Total Points
Response Sheets	5	6	30
Social Studies Lesson	1	15	15
Mathematics Unit	1	15	15
Five E Science Lesson	1	15	15
Community Based Project	1	15	15
Participation/Attendance			10
			100

Other Information

Any student with a disability who is requesting academic accommodations should contact the Student Disability Services in Deliso GO5, or call 782-1257 for an appointment. If you have already done this and see places in the syllabus you are concerned about, please talk with me so we can work together to make this class work for you. Any student who is unable, because of religious beliefs, to attend classes or to participate in any examination, study or work requirement on a particular day shall be excused. The student will be provided the opportunity to make up any examination, study or work requirement. Please follow the expectations as outlined in the college catalog regarding academic integrity. Honesty in all academic work is expected of every student. If there is a breach of academic integrity, an individual will meet with me, and the department chair to determine consequences