Casper College Course Syllabus

Course Number and Title: EDCI 1420 - 02 Education Seminar, Math for Elementary Education II

Semester / Year: Fall 2006

Lecture Hours: 1     Lab Hours: 0     Credit Hours: 1

Class Time: 2-3:50 p.m.     Days: W     Room: PS 107

Instructor's Name: Pete Wildman

Instructor's Office #: PS 344     Phone: 268-2506

Office Hours: M,F: 1-1:50
              T,W,TH: 10-10:50
              W: 11-11:50

Other times by appointment or just drop by - I am often around in addition to these hours. If you can not get me in person, please contact me by e-mail at pwildman@caspercollege.edu or petewildman@bresnan.net. I check my e-mail many times daily!

Course Description:
The second semester of the course for elementary and junior high school teachers. Includes a study of probability, statistics, measurements and geometry. EDCI 1420 must be taken concurrently with MATH 1105.

Statement of Prerequisites:
MATH 1100 and EDCI 1410 with a "C" or better.

General Objectives:
This course along with Math 1105 is designed to prepare students to teach math as elementary or junior high school teachers. This course will focus on educational pedagogy - or the particular practice of teaching primary mathematics. We will look at physical models for probability, statistics, geometry, measurement and other educational issues and aides. You will get practice and an introduction to a variety of techniques for introducing these topics to elementary age school children.

Specific Objectives (Outcomes):
Specifically you will be introduced to the probability exercises, statistical data gathering, geometric exercises and measurement exercises. In addition two seminars will be devoted to service learning where we work specifically with two local elementary schools. You will get a tremendous amount of hands-on experience with this as this material lends itself to this naturally. Through both the activities and assignments in the course you will receive a solid introduction to manipulative use as a method for effective instruction.

METHODOLOGY: In most seminar sessions we will begin with a demonstration or a discussion of a particular idea or model as a group. Then we will break up into groups and work together on an assignment. The assignment is due the next seminar session. Occasionally I will ask you to work alone on a project. If you have any questions during a seminar session - please don't hesitate to ask! There are no stupid questions! Your active participation in this course is critical - please make a solid effort to attend each seminar session and actively participate with your group.
EVALUATION CRITERIA: Your grade in this course will be determined by scores on two service learning assignments, class assignments and class participation. You will be asked to create two "original" lessons. These lessons will then be presented in groups in two actual elementary school settings. You then will complete a reflection assignment. Specific information on the structure and requirements for these lessons will be given later in the course. Each student should complete and hand in the handouts given at each session.

Your grade in this course will be determined as follows:
Your grade in this course is separate from your grade in Math 1105 Mathematics for Elementary Education II. The points possible for each section listed above are:

- Lesson #1 100 pts.
- Lesson #2 100 pts.
- Assignments 150 pts.
- Participation 50 pts.

The assignment grade will be determined by an average of your total points earned on assignments and the participation grade will be determined by your attendance and active participation in class. Your grade will be determined by an average of these total points possible. You are guaranteed a standard grade distribution scale (90% + A, 80-89% B, 70-79% C, 60-69% D, 59% - F), but I reserve the right to lower this scale if needed.

Required Text, Readings & Materials:
There is no text for this course. A calculator will be useful at times.

WHAT IF I NEED HELP??? What should you do if you are confused?? Ask questions! Please do not hesitate to ask questions! There are many ways to get additional help:

- Ask questions in class or ask questions using e-mail! Use the accounts: pwildman@caspercollege.edu or petewildman@bresnan.net.
- Come and see me during my office hours (listed above). If these times are not convenient, then please see me to make an appointment! I am often around in addition to these times, so don't hesitate to stop by or give me a call. I want to help.
- Form a study group with your friends - this is a great way to learn!

Let's make this a great semester!!!

LAST DATE TO CHANGE TO AUDIT STATUS OR TO WITHDRAW
Friday Nov. 3, 2006

Student Rights & Responsibilities:
Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command: If you have any problems with this class, you should first contact the instructor in order to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take your problem through the appropriate chain of command starting with the department head, then the division chair, and lastly the vice president for academic affairs.
Academic Dishonesty - Cheating & Plagiarism: Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct.

ADA Accommodations Policy: It is the policy of Casper College to provide appropriate accommodations to any student with a documented disability. If you have a need for accommodation in this course, please make an appointment to see me at your earliest convenience.

**TENTATIVE COURSE SCHEDULE WITH CONTENT**

Some seminar session topics may change. However the dates of the seminars are fixed!

9/6 Wyoming Standards - Probability
9/20 Statistics
10/4 Simulation Seminar
10/11 Service Learning #1 – Fort Casper
11/1 Geometry
11/15 Service Learning #2 – Poison Spider
12/6 Measurement
12/13 Technology