Casper College Course Syllabus

Course: EDEL 2410-H1: Theory II Seminar: Education

Semester: Summer 2016

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

Class Time: Mostly online with two campus meetings required
June 18: 9am-4pm  and July 9: 9am-4pm

Instructor: Kendall Jacobs  
Office: PS 338

Office Phone: 268-2043  Email: kjacobs@caspercollege.edu

Office Hours:
MWTH 9:30-10:30

If the above times don’t work for you, please feel free to make an appointment or just drop by!

Course Description: This seminar is a hands-on application course designed to accompany and enhance MATH 2120, Geometry and Measurement for Elementary School Teachers. This is a required course for all prospective elementary teachers.

Co-requisite: Concurrent enrollment in Math 2120.

General Objectives: This course has the same general objectives as Math 2120 (see Math 2120 syllabi). The purpose of the seminar is to enhance the ideas taught in Math 2410.

Specific Objectives: This course will give students additional insight into the concepts taught in Math 2120. Students who successfully complete this course will have an awareness of different teaching methods including an introduction to manipulatives, models, standards (Core/NCTM/Wyoming) and tools used to teach mathematics at the elementary level. Specifically, we will be studying Geometry and Measurement.

Materials Needed:

Text: No text is required for the seminar.
Calculator/Software: A scientific calculator will be useful. Please let me know if you have questions about calculators. We will also be using a variety of mathematical software – GeoGebra and Logo along with a variety of applets and online resources.
Internet: You will be required to have access to the internet. You may access the internet via the Casper College Computer Labs.
Methodology: This class will consist of many hands on activities. Outside reading and writing will be required. Approximately half of the course will be covered during the two onsite meetings. The two onsite meetings are required. Assignments may include but are not limited to reaction papers, article summaries, lesson evaluations, projects, and peer teaching. Many of these assignments require writing. You will be graded on grammar, punctuation, spelling and good presentation as well as content. If writing is not your strong point, I recommend you have someone proofread your work before you submit it (The writing center is an excellent resource!).

Evaluation Criteria: The grade in this class is separate from the grade in Math 2120. Your grade will be based on your performance (not effort) on the seminars assigned. Because this is a summer course, and because you have participate in service learning in Math 1100/EDEL 1410/Math 1105, there will not be a service learning requirement.

Grading Scale: You are guaranteed a traditional grading scale of 90%+ A, 80-89% B, 70-79% C, 60-69% D, 59%- F. But I reserve the right to lower this without notice if I deem it necessary.

Education Major Note: *Electronic Portfolio Requirement for Education Majors: All education students at CC are required to show evidence of program outcomes (artifacts) through the completion of an electronic portfolio. These artifacts will include appropriate pedagogical practices, as well as knowledge and skills of content area as outcomes for the CC education program. These artifacts are also utilized to demonstrate NCATE (National Council for Accreditation of Teacher Education)and INTASC (Interstate New Teacher Assessment and Support Consortium)proficiencies. Artifacts will be documented within the electronic portfolio - eFolios – provided via Minnesota State Colleges and Universities and Casper College. Early Childhood Education majors will also be required to document proficiencies for NAEYC (National Association for the Education of Young Children) through the use of eFolio for student teaching. Please save all relevant work in this course in electronic format as evidence of meeting course/program outcomes.

Student Rights and 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.
Official Means of Communication - Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly. This is also, where you will find course evaluation links during course evaluation periods.

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. If you need ADA accommodation you may contact Brent Heuer, Accommodative Services Counselor 307-268-2557

Last Day to Change to Audit or Withdraw: July 8 will be the last day to drop this class. You will not be allowed to audit unless you have been participating in class on a regular basis.

Help: I recommend you keep up with the class. If you need help, then get it . . . FAST! I will be available to help individuals during my office hours or by appointment. I want you to succeed!

TENTATIVE Schedule with course Content: Subject to Change!

EDEL 2410 Tentative Schedule Summer 2016

<table>
<thead>
<tr>
<th>Seminar Deadline</th>
<th>Topic</th>
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<tbody>
<tr>
<td>June 14</td>
<td>Mathematical Mindset – Teaching Mathematics</td>
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| June 18          | **Casper Onsite 9am – 4pm**  
|                   | Using GeoGebra to make conjectures  
|                   | GeoGebra and Eratosthenes  
|                   | Orienteering and Angles  
|                   | Intro To Logo |
| June 21          | Material from Onsite Seminars due |
| June 28          | Teaching Children Mathematics – Journals and Resources |
| July 5           | Tessellations (due at onsite) |
| July 9           | **Casper Onsite 9am – 4pm**  
|                   | Similarity and Indirect Measurement  
|                   | Pythagorean Theorem Proofs and Visualizations  
|                   | Spatial Thinking and Tangrams  
|                   | Log II – Conjectures and Explorations |
| July 12          | Material from Onsite Due |
| July 19          | How Would you Teach it Video Workshop |
| July 26          | Inductive and Deductive Reasoning |