CASPER COLLEGE COURSE SYLLABUS
EDCI 1440: Physical Science in the Elementary School

Semester/Year: Spring 2016
Lecture Hours: 0  Lab Hours: 2  Credit Hours: 1
Class Time: 9:00 – 9:50 AM  Days: W  Room: PS 208
Instructor’s Name: Jared Bowden
Instructor's Contact Information: Office Phone: (307)268-2064  Email: jbowden@caspercollege.edu

Office Hours: M 10:00 – 11:00 AM, 2:00 – 3:00 PM; W 10:00 – 11:00 AM; ThF 11:00 – 11:50 AM

Course Description: Covers selection of basic physical science concepts, materials and curricula appropriate for elementary school. This course parallels the content of PHYS 1090 and should be taken the same semester.

Statement of Prerequisites: N/A

Goal: The Department will instruct students on knowledge gathering techniques and the understanding of basic physical concepts at a level appropriate to the class level and the student’s individual career goals. A well instructed science student will be able to take a problem, analyze it both qualitatively and quantitatively, find a solution, and present the solution to others in an appropriate manner conducive to the knowledge level of the audience.

Outcomes: The bolded outcomes below apply from the Casper College General Education outcomes.

1. Demonstrate effective oral and written communication
2. Use the scientific method
3. Solve problems using critical thinking and creativity
4. Demonstrate knowledge of diverse cultures and historical perspectives
5. Appreciate aesthetic and creative activities
6. Use appropriate technology and information to conduct research
7. Describe the value of personal, civic, and social responsibilities
8. Use quantitative analytical skills to evaluate and process numerical data

Methodology: This course will be presented in a variety of methods, from classroom lectures and discussions, to presentations, to online forum discussions.

Evaluation Criteria: This course will involve a variety of activities. Each week, students will lead or participate in a short discussion about an assigned topic and participate in fellow students discussions. Students will modify lesson plans about a variety of topics to an elementary school level. Students will also be expected to participate in 4th Grade Science & Math Day at Casper College, April 27, 2016.
### Grading Scale for the Course:

90%+ A; 80 ≤ B ≤ 89; 70 ≤ C ≤ 79; 60 ≤ D ≤ 69; 0 ≤ F ≤ 59

Casper College may collect samples of student work demonstrating achievement of the above outcomes. Any personally identifying information will be removed from student work.

### Required Text, Readings, and Materials:


### Class Policies:

ALL critiques are due on Tuesday at 11:59 PM MDT the week following assignment.

Attendance is MANDATORY at Science and Math Day.

**Last day to change to an audit or withdraw from the course:** April 14\textsuperscript{th}, 2016.

### 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 to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head/Program Director, the Dean, 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 for more information on this topic.

### 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:

If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college’s Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.