

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

Semester/Year: Fall 2015

Lecture Hours: 0

Lab Hours: 2

Credit Hours: 1

Class Time: N/A

Days: N/A

Room: N/A

Instructor's Name: Jared Bowden

**Instructor's Contact
Information:**

Office Phone:
(307)268-2064

Email:
jbowden@caspercollege.edu

Office Hours: T 9:30 – 11:00 AM; Th 10:30 – 11:30 AM; F 12:00 – 1:00 PM

Web Conference Hours: M 2:00 – 3:00 PM; Th 9:30 – 10:30 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: The course will be done on the Internet and one day present on campus. The online portion of the course will entail video evaluations, where the student will critique posted material, and lesson creation. The day on campus (Wednesday, November 18th) is **REQUIRED TO PASS THE COURSE**. That day, more than 200 area 4th graders will be attending Science and Math Day, and EDCI 1440 students will be presenting stations for them. Attendance is mandatory, and students should expect to be on campus from 8 AM until 3 PM. Lunch will be provided.

Evaluation Criteria:

This class will have three major portions: Critiques, Lesson Creation, and Participation in Science and Math Day. Critiques will be given weekly and will be graded based on a rubric given on the main Moodle Course site. They will always be due on Sundays, at 11:59 PM. Participation in Science and Math Day will be given for both attendance and for presenting an enjoyable and educational station for the 4th grade visitors.

Method	Points for Each	Total Points	% of Total Grade
8 Best Critiques	3	24	24%
Lesson Creation	-	36	36%
Science and Math Day	40	40	40%
TOTAL FOR THE COURSE		100	100%

Grading Scale for the Course:

$90 \leq A \leq 100$

$80 \leq B \leq 89$

$70 \leq C \leq 79$

$60 \leq D \leq 69$

$0 \leq F \leq 59$

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:

Internet Access

Conceptual Physics, 12th Edition, Hewitt & Baird

Class Policies:

ALL critiques are due on Sundays at 11:59 PM MDT the week they are assigned unless otherwise stated. They will have the following late policy: 0.5% will be deducted for each hour the assignment is late. 1 minute late is your first hour deduction, 1 hour and 1 minute is your second hour deduction, and so on.

Attendance is **MANDATORY** at Science and Math Day.

Last day to change to an audit or withdraw from the course: November 12th, 2015.

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.

IMPORTANT DATES:

Science and Math Day: Wednesday, November 18th, 2015.

Critiques/Lessons are due EACH Sunday at 11:59 PM.