

**University of Alaska-Fairbanks  
School of Education  
Course syllabus ED F593 Spring 2009  
Dr. Kaden**



**ED F593 Current Topics in the Natural Sciences for Educators  
(Science for Alaska Lecture Series 2009)**

**Location:**

Lectures offered in the [Westmark](#) Hotel Gold Room, 813 Noble Street, in Fairbanks, and coursework is done online through Blackboard.

**Time:**

Lectures offered in-person Jan. 20, 27; Feb. 3, 10, 17, 24, 2009. In addition, lectures will be offered by DVD, Webstream, and possibly podcast. All requirements for ED F593 are done on Blackboard. Depending on student location you may or may not be attending the lectures in person. The lectures can be accessed online after the presentation.

**Instructor Contact Information:**

**Ute Kaden, Ed.D.**

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**Course Description:**

This 1-credit continuing education course for teachers offered in conjunction with the 2009 lecture series "Science for Alaska" promotes communication between educators and practicing scientists, to improve science teaching, and to encourage youth to pursue careers in science. This annual series sponsored and coordinated by the UAF Geophysical Institute, features scientists from the University of Alaska, along with experts from state and federal agencies.

**Student Resource Course Materials**

**Blackboard:**

All course material is posted on Blackboard. Please activate your Blackboard account at <http://classes.uaf.edu/>.

**Prerequisite:** none.

**Course Goals and Student Learner Outcomes:**

The goal of ED F593—Current Topics in the Natural Sciences for Educators—is to promote communication between educators and practicing scientists, to improve science teaching, and to encourage youth to pursue careers in science. With the help of educators and scientists, students can learn current applications of science that are taking place right here in Alaska. During the course, teachers will develop and share lesson plans that include topics from the lecture series. Lesson plans also will incorporate National Science Standards and assessment techniques.

**Instructional Methods:**

Distance delivery over Blackboard, Lecture series at the Westmark Hotel, Fairbanks.

**Disability Statement:**

The University of Alaska Fairbanks is committed to equal opportunity for students with disabilities. Students who have special needs or disabilities are encouraged to contact the

coordinator of Disability Services (Mary Matthews) at the Center for Health & Counseling (907-474-7043). Don't hesitate to talk to us.

### Student Support Services:

Need Help? Check Out the UAF Student Support website at <http://www.uaf.edu/sssp/>.  
Computer help? UAF U-Park Computer Lab at 474-5761.

**Evaluation:** pass/fail

To receive credit, each student must complete a participant biography on Blackboard, produce five synopses of lecture content, design five lesson plans based on lecture content, and review five lesson plans created by their peers.

### Assignments:

*I will use your UAF account to mail any information about the course. Please activate your e-mail account.*

| Assignment   | Details  | Due Date   |
|--|--|--|
| <b>Participant Biography</b>   | On Blackboard publish a short piece about yourself, your location, your teaching assignment (s), etc. so that other members of the class learn a bit about you. Photos and links are encouraged and sure to be appreciated by others, but optional.  | On or before February 1 <sup>st</sup> , 2009   |
| <b>Synopsis of lectures</b><br><br><i>There are six lectures- do the assignment for five out of the six.</i>                     | After attending/viewing a lecture, post a synopsis of what you learned. This should be written in a format that is not only useful for you, but also organized in a manner that other professionals will understand. <i>Please post your work within two weeks so that you don't compromise peer reviews.</i>  | 1/20/2009, due 2/03/09<br>1/27/2009, due 2/10/09<br>2/03/2009, due 2/17/09<br>2/10/2009, due 2/24/09<br>2/17/2009, due 3/03/09<br>2/24/2009, due 3/10/09   |
| <b>Lesson plan/activity to support lectures</b><br><br><i>There are six lectures- do the assignment for five out of the six.</i> | For each lecture, post a lesson plan/activity that supports/reinforces the topic/content. Make it detailed enough so that others can teach from your outline. Your lesson/activity can be one you have actually done or a new lesson you hope to do. Alignment to content and/or performance standards and /or assessments are not required, but your procedures should be clear enough for others to follow. Links to useful classroom resources would be appreciated. <i>Please post your work within two weeks so that you don't compromise peer reviews.</i> | Follow the schedule above. Plan on posting your work within two weeks of each lecture. If you follow this outline you will be done by Spring Break! ☺<br>If you need more time just e-mail me so I know. |
| <b>Peer review of lessons</b><br><br><i>There are six lectures- do the assignment for five out of the six.</i>                   | Review and post comments to two others' lesson plans/activities for each lecture. You need not always post to the same person, as one goal from this class is to connect to a variety of teachers from around the state. You need not to try a lesson in order to post a peer review.  | No specific dates for each lesson's peer reviews, but all reviews are due for posting by May 1 <sup>st</sup> with the hope that colleagues have tried a few lessons before posting a review.             |