113 - UCCh. 39-GCCh. (sigs)

Submit originals (including syllabus) and one copy and electronic copy to the **Faculty Senate Office**See http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-/ for a complete description of the rules governing curriculum & course changes.

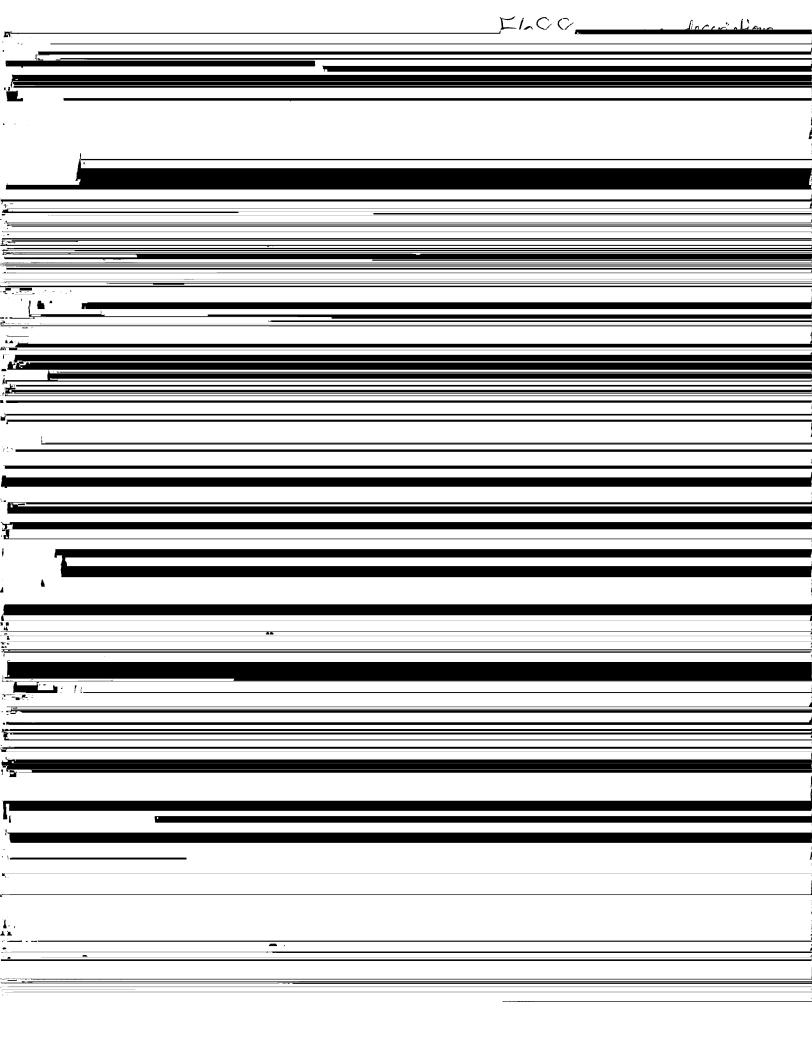
CHANGE COURSE (MAJOR) and DROP COURSE PROPOSAL Attach a syllabus, except if dropping a course.

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5.	COURSE REPEATABILITY:	1
	Is this course repeatable for credit? YES NO x	
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	Justification: Indicate why the course can be repeated	
	(for example, the course follows a different theme each	
	time).	
	How many times may the course be repeated for credit?	TIMES
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O = Oral Intensive,



	9. GRADING SYSTEM: Specify only one
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	11. LIBRARY COLLECTIONS
	Have you contacted the library collection development officer (kljensen@alaska.edu, 474-6695) with
	regard to the adequacy of library/media collections, equipment, and services available for the
	proposed course? If so, give date of contact and resolution. If not, explain why not.
	No x Yes No change.

	2. To be eligible for the newly created Alaska Performance Scholarship, university students must be enrolled in 30 credits per academic year. The intern year requirements in the current BA in Elementary Ffucation forces include only 26 credits. These 26 credits are not an accurate convention of the
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	Signature, Chair, College/School Curriculum Council før: Education	
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ED 479/688 SCIENCE METHODS AND CURRICULUM DEVELOPMENT ON-CAMPUS (2.5+0.0+0.5)

This is a course that has both lecture (i.e., university course time) and internship (i.e., elementary classroom time) requirements. Specific times for university course meeting times and elementary classroom internship times are included on the year-long internship calendar that is distributed each August by the UAF Department of Elementary Teacher Education.

COURSE INFORMATION

Credits: 3

Prerequisites: Participating in the Internship Year or Permission of Instructor

Location:

OUP Room 150

- Blackboard http://classes.uaf.edu

Meeting Time: Dates and times noted on the internship calendar and on the syllabus calendar

INSTRUCTOR INFORMATION

Instructor: Cindy Fabbri

Office: 714D Gruening Building Office Hours: By appointment Telephone: (907) 474-1558

Fax: (907) 474-5451

Email: cfabbri@alaska.edu

MATERIALS

Carin Arthur A et al 2005, Teaching Science as Inquiry Eleventh Edition Pearson

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- Understand	and use knowledge of learning, pedagogy and students to create appropriate
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- Create and	rning opportunities for diverse groups of students; use multiple assessment strategies in the context of teaching a science unit;
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Instructional M	lethods

Bring three science resources to class to share with your colleagues. The resource (book. website, curricula, etc.) should be something not likely to be known by all of your colleagues. You will explain a bit about the resource, why it is of high quality and how to find it. At least one of your resources during the semester should be technology based Facilitate an In-class Presentation/Lesson Points Possible = 100 Points (Rubric will be provided) You will choose a lesson from the appendix of your textbook, a FNSBSD science kit, or other pre-approved resource and will teach the lesson in class. You will teach the lesson to your peers as if they were your students. Ideally, you should teach a subject/discipline (i a physical science life science earth/space science) that is different from your tales home lesson and unit. Your grade will be based on peer-assessments and instructor discretion. **Develop and Teach a Science Unit** Total Points Possible = 400 (Checklist and rubric will be provided) **Draft Unit = 100 Points** The draft is graded for completeness (cover sheet, week-long overview, 5 lesson plans.

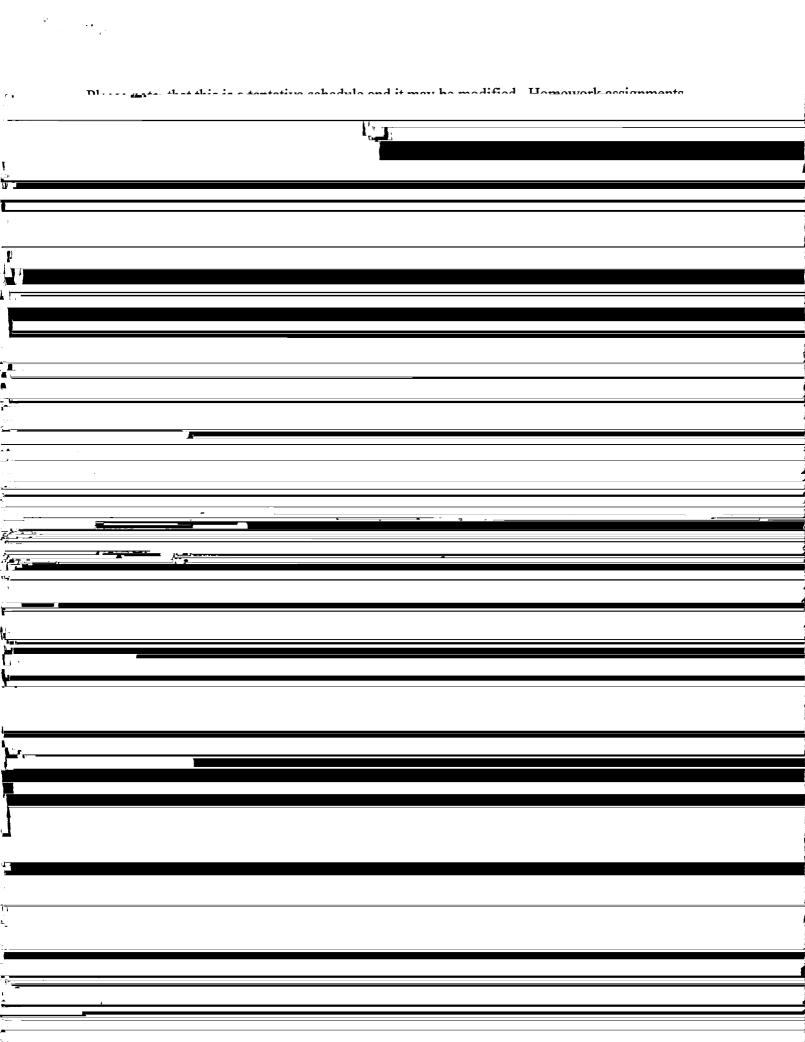
This assignment will include five daily reflections and one comprehensive reflection on teaching your science unit. In addition, students will reflect on their new understandings of science education and their future professional development goals.

* ED 688 Students: Independent Project

Total Points Possible = 200

Students will be responsible for an independent learning project. Possible activities might include designing and implementing a unique lesson with students, watching a professional development series, reading a recommended book, working with students and teachers to develop science fair projects (outside of your regular class) or other significant, approved project. Please discuss this assignment with the instructor and get approval before you begin.

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- Use <u>Unit Template</u> and <u>Unit Planning Worksheets 2</u> to finish drafting lesson procedures and assessments
- If applicable, prepare for in-class presentation and/or bring a resource to class

TDD 0.00 12.00	

In class:

- How do students learn? (NSTA Standard 5)
- What is appropriate and differentiated instruction?
- What is relevant and responsive curriculum? (NSTA Standard 7)

Homework:

- Use <u>Unit Template</u> and <u>Unit Planning Worksheets 3</u> to draft differentiation sections of lesson plans
- Finish the draft of your science unit. Bring two copies to class, one for peer review in class and one to submit to the instructor
- Make preliminary plans to teach a lesson from the back of the textbook during the week of Feb 14-18.
- If applicable, prepare for in-class presentation and/or bring a resource to class

TBD 9:00-12:00

• DRAFT Unit due

Homework:

- Read Text Chapters 8 and 9
- Read evolution readings (handed-out in class)
- Read *Habits of Mind for the Science Laboratory*
- Complete Take Home I esson week of Feb 11. 12 and write reflection Reflection is

	Homework:
	Final Science Unit Due Before Teaching

· · · · · · · · · · · · · · · · · · ·	Individual student appointments, if needed
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Homework:

respect the rights of others. Academic integrity is essential and expected from all students. Cheating or plagiarism is not acceptable.

SUPPORT SERVICES

If you have questions, concerns, comments, or individual needs please contact me immediately. In addition, please be aware that these other forms of assistance are also available:

Kelly Mendez
Coordinator – Elementary
474-7981
ksmendez@alaska.edu

Hillary Weller

Coordinator – Elementary

hhweller@alaska.edu

Student Support Services (SSS)

Tel: (907) 474-6844 Email: sssp@uaf.edu

Tutquipa Counicon

Writing Center (907) 474-5314 Math Laboratory (907) 474-7332

DISABILITIES SERVICES

If you have a special need please notify the Office of Disability Services (474-7043) and me. I will make every effort to provide reasonable accommodations for you.