

Submit original with signatures + 3 copies

TRIAL COURSE OR NEW COURSE PROPOSAL

SUBMITTED BY:

Department	CRCD Department of Science	College/School	CRCD
Prepared by	Tom Marsik	Phone	842-5109
Email Contact	tmarsik@alaska.edu	Faculty Contact	same

See <http://www.uaf.edu/uafgov/faculty/cd/cdman.html> for a complete description of the rules governing curriculum & course changes.

1. ACTION DESIRED (check one):	Trial Course	<input type="checkbox"/>	New Course	<input checked="" type="checkbox"/>
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2.

10. COMPLETE CATALOG DESCRIPTION including dept., number, title and credits (50 words or less, if possible):

ENVI 220 – Intro to Sustainable Energy (3cr) - Introduction to societal problems and solutions related to its energy

Endorsement in Sustainable Energy. Sustainable energy a high demand field across Alaska with a lot of potential for growth.

19. LIBRARY COLLECTIONS

Have you contacted the library collection development officer (ffklj@uaf.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

Yes

September 16, 2010 - No resource impact.

APPROVALS:

	Date	
Signature, Chair, Program/Department of:		

	Date	
Signature, Division Chair CRCD of:		

	Date	
Signature, Chair, College/School Curricul Council for:		

ATTACH COMPLETE SYLLABUS (as part of this application).

Note: syllabus must follow the guidelines discussed in the Faculty Senate Guide

<http://www.uaf.edu/uafgov/faculty/cd/syllabus.html>.

The department and campus wide curriculum committees will review the syllabus to ensure that each of the items listed below are included. If items are missing or unclear, the proposed course change will be denied \_\_\_\_\_.

#### SYLLABUS CHECKLIST FOR ALL UAF COURSES

During the first week of class, instructors will distribute a course syllabus.

Although modifications may be made throughout the semester, this document will contain the following information (as applicable to the discipline):

1. Course information:

Title,  number,  credits,  prerequisites,  location,  meeting time  
(make sure that contact hours are in line with credits).

2. Instructor (and if applicable, Teaching Assistant) information:

Name,  office location,  office hours,  telephone,  email  
address.

3. Course readings/materials:

Course textbook title,  author,  edition/publisher.  
 Supplementary readings (indicate whether  required or

ENVI 220 Intro to Sustainable Energy

Term:	Spring	2011				
Course Title:	Intro					
Term:	Spring		1	}	!	A

**Course Policies:**

1. UAF requires students to conduct themselves honestly and responsibly, and to respect the rights of others.
2. You are expected to attend and actively participate in all lectures and seminars.
3. Homework will be assigned each Tuesday and due at the

PO Box 1070  
Dillingham, Alaska 99576  
907 842 5109  
800 478 5109  
Fax: 907 842 5692

Students can also go to the UAF website <http://www.uaf.edu> or to the College of Rural and Community Development website <http://www.uaf.edu/rural/> or to Bristol Bay Campus website <http://www.uaf.edu/bbc/index.html>.

UAF Disability Services for Distance Students

UAF has a Disability Services office that operates in conjunction with the College of Rural and Community Development (CRCD) campuses and UAF's Center for Distance Education (CDE). Disability



## ENVI 220 – Intro to Sustainable Energy - Tentative Schedule - Spring 2011

All dates and topics are tentative and subject to change.

Tuesday	Thursday
18-Jan Course Introduction Session 1	20-Jan Discussion of topics for student presentations and projects <i>Reading assignment: pages 2 - 21</i> Session 2
25-Jan Basic intro to sustainable energy; Divide presentation topics; Lecture on presenting Session 3	27-Jan Guest speaker Ashish Agrawal – Sustainable energy projects at Fort Wainwright, Fairbanks Session 4
1-Feb Divide project topics Sample student presentation (Tom Marsik) Session 5	3-Feb Energy efficiency vs. renewable energy; Electricity – basic physics <i>Reading assignment: pages 22 - 28</i> Session 6
8-Feb Student presentations + discussions Session 7	10-Feb Heat – basic physics <i>Reading assignments: pages 50 - 54</i> Session 8
15-Feb Student presentations + discussions Session 9	17-Feb Economic analysis; Life cycle Session 10
22-Feb Review for midterm Session 11	24-Feb Lighting; <i>Reading assignment: pages 57 – 59; 155 - 156</i> Session 12

