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50-UNC

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FORMAT 1

Submit original with signatures + 3 copies

TRIAL COURSE OR NEW COURSE PROPOSAL

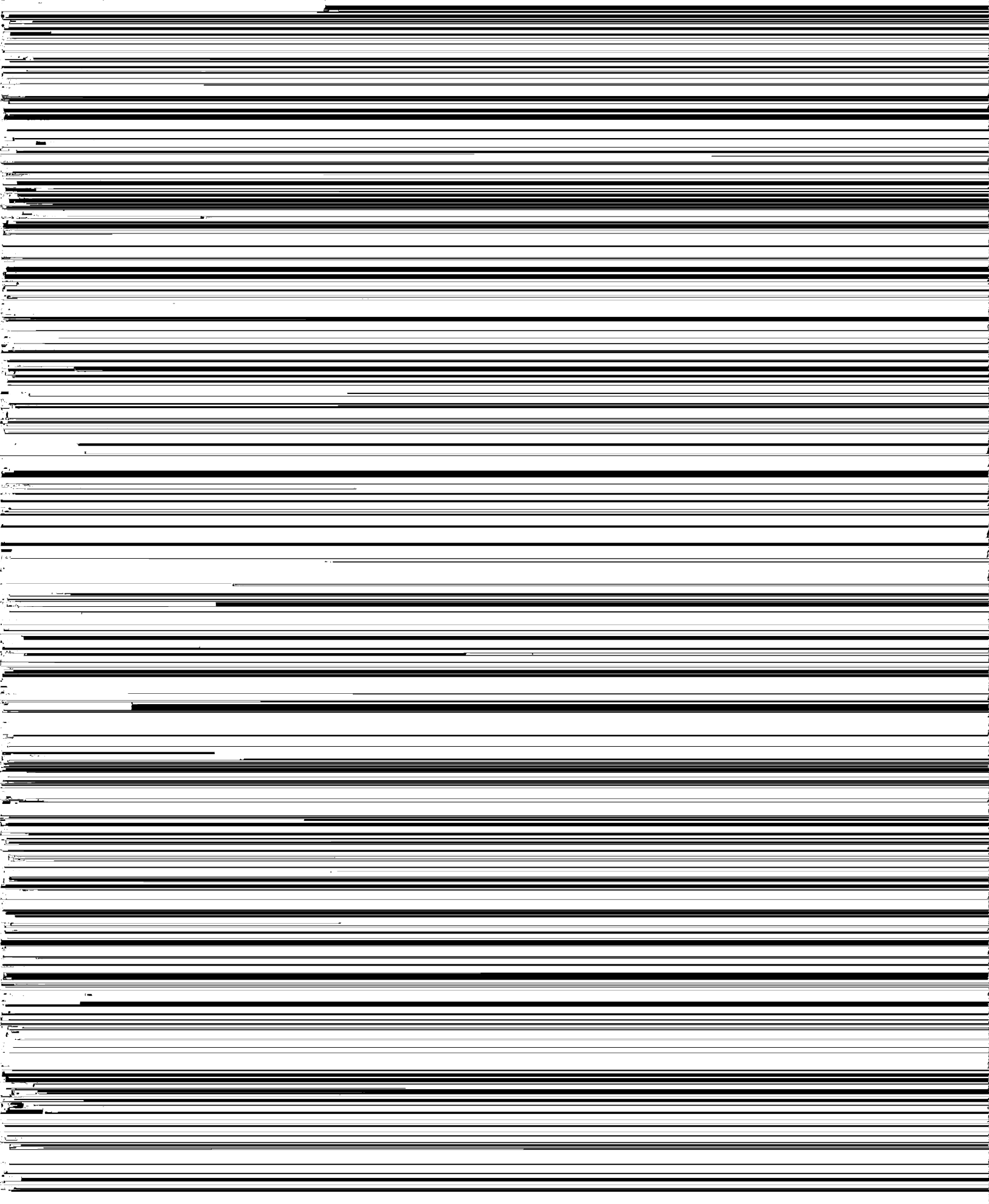
APPROVED BY:

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

19. LIBRARY COLLECTIONS

Have you contacted the library collection development officer (ffklj@uaf.edu, 474-
6111) regarding library collections, equipment, and

THE UNIVERSITY OF THE WEST INDIES, ST. AUGUSTINE, TRINIDAD AND TOBAGO



APPROVALS:

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

Date

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

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:

ENVI 121 - Building Ventilation and Energy

Term: Spring 2014
Course Title: Building Ventilation and Energy
Dept. & Num: ENVI 121
Credits: 1
Prerequisites: None

Instructor: Dr. Tom Marsik
Office Location: UAF Bristol Bay Campus, Room 117
Position: Assistant Professor
Phone: 842-5109
Fax: 842-5692
Email: tmarsik@alaska.edu
Hours Available: Available during the days the course is offered

12:00pm-1:00pm Lunch break
1:00pm-2:00pm Ventilation requirements
2:00pm-3:00pm Calculations related to heat loss via ventilation
3:00pm-4:00pm Natural ventilation – pros and cons
4:00pm-5:00pm Mechanical ventilation with no heat recovery – pros and cons
5:00pm-6:00pm Heat recovery ventilation – pros and cons
Reading assignment: Read through the whole second booklet - Heat & Energy Recovery Ventilators

Sunday

10:00am-12:00pm Class project – balancing an HRV and measuring its efficiency

12:00pm-1:00pm Lunch Break

1:00pm-2:00pm Review
2:00pm-3:00pm Final exam

Course Policies:

1. ~~UAF requires students to conduct themselves honestly and responsibly, and to respect the rights of others.~~

2. Attendance is mandatory.

ENVI 121 – Building Ventilation and Energy

Term: Spring 2014
Course Title: Building Ventilation and Energy
Dept. & Num: ENVI 121
Credits: 1
Prerequisites: None
Dates: TBD
Days and Times: Fri 6pm-9pm, Sat 10am-6pm, Sun 10am-3pm
Location: UAF BBC, Dillingham and Bristol Bay villages

ENVI 121 – Building Ventilation and Energy

10:00am-12:00pm Indoor air pollutants of concern
 12:00pm-1:00pm Lunch break
 1:00pm-2:00pm Ventilation requirements
 2:00pm-3:00pm Calculations related to heat loss via ventilation
 3:00pm-4:00pm Natural ventilation – pros and cons
 4:00pm-5:00pm Mechanical ventilation with no heat recovery – pros and cons
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Course Policies:

1. UAF requires students to conduct themselves honestly and responsibly, and to respect the rights of others.
2. Attendance is mandatory.
3. Late assignments will not be accepted without prior approval of instructor.
4. The instructor reserves the right to amend this course outline as needed.

Evaluation:

Final grades are calculated from the points earned in the following areas:

Attendance and Participation	10%
Students are expected to attend the entire 3-day classroom session and actively participate in group discussions.	
Class Project	30%
In the class project, students will actively participate in balancing an HRV and measuring its efficiency. Under the observation of the instructor, they will demonstrate understanding of techniques used to balance an HRV and measure its efficiency.	
Homework	30%
Each student will in his/her home: 1) Identify type of ventilation system, 2) Estimated ventilation rate and whether or not it is sufficient, 3) Calculate energy loss associated with the ventilation, 4) Suggest improvements The homework will be assigned on Saturday afternoon and due on Sunday morning.	
Final Exam	30%
An open book final exam will cover material from the whole course.	

Grading Policy:

This course will be graded pass/fail. In order to receive a passing grade, students must receive a 70% or higher grade.

Support and Disability Services: