

FORMAT 2

Submit originals and one conv and electronic conv to Governance/Faculty Senate Office

CURRENT CATALOG DESCRIPTION AS IT APPEARS IN THE CATALOG: including dept. number.

title and credits

**CE 434 Timber Design
3 Credits Offered As Demand Warrants
Design Loads. Building systems and loading path. Physical and mechanical properties of wood. Design values and**

This course has traditionally been listed as a (2+3) course and "As Demand Warrants". Demand over the past four years has been high enough to justify offering the course every other year. All indications are that

ATTACH COMPLETE SYLLABUS (as part of this application).

Note: The guidelines are online: <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 Office phone Home phone Email

address.

3. Course readings/materials:

- Course textbook title, author, edition/publisher.
- Supplementary readings (indicate whether required or recommended) and
- any supplies required.

4. Course description:

Content of the course and how it fits into the broader curriculum.

UNIVERSITY OF ALASKA FAIRBANKS
DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING

CE 434 Timber Design – Fall 2009

3 credit hours

Lecturer — Dr. W. D. Duckering

Duckering 345
Cell: 322-4753
E-mail: ftpvp@uaf.edu

Class Time: 9:15am – 10:15am MWF
At: (currently shown as) Duckering Room 347

Office Hours: M, W 1:00p-3:00p

Prerequisites: CE F331, ES F331

Required Texts:

Breyer, D.; Fridley, K.; Cobeen, K.; & Pollock, D. *Design of Wood Structures ASD/LRFD, Sixth Edition*, 2007, McGraw Hill, New York, NY. ISBN-13:978-0-07-145539-8

American Forest and Paper Association, 2006, 2005 *NDS & Wood Design*

will be studied. Means of connecting timber elements and assemblies will also

be studied.

Student Learning Outcomes: The student should leave the course with knowledge of how to use

NDS Design Supplements to design timber structural elements. The level of competency should be consistent with an entry-level practicing engineer and

Professional Engineering Exam questions on the topic.

Instructional methods: material will be taught through lecture

Course Content:

Week 1	LRFD Design Criteria/ Building Codes
Week 2	Loads and Load Combinations
Week 3	Parts of a load-bearing wall building; Load paths

Course Policies: Regular attendance and participation is expected, as well as professional behavior in class (show up on time, no talking during class, no walking out of/back in to class, no wearing headphones, no texting, and cells phones and computers are to be turned off in class, no eating in class – drinks are permissible).

Disability Services: The Office of Disability Services implements the Americans with

course materials. We will work with the Office of Disability Services (203 WHIT, 474-7043) to provide reasonable accommodations to students with disabilities.

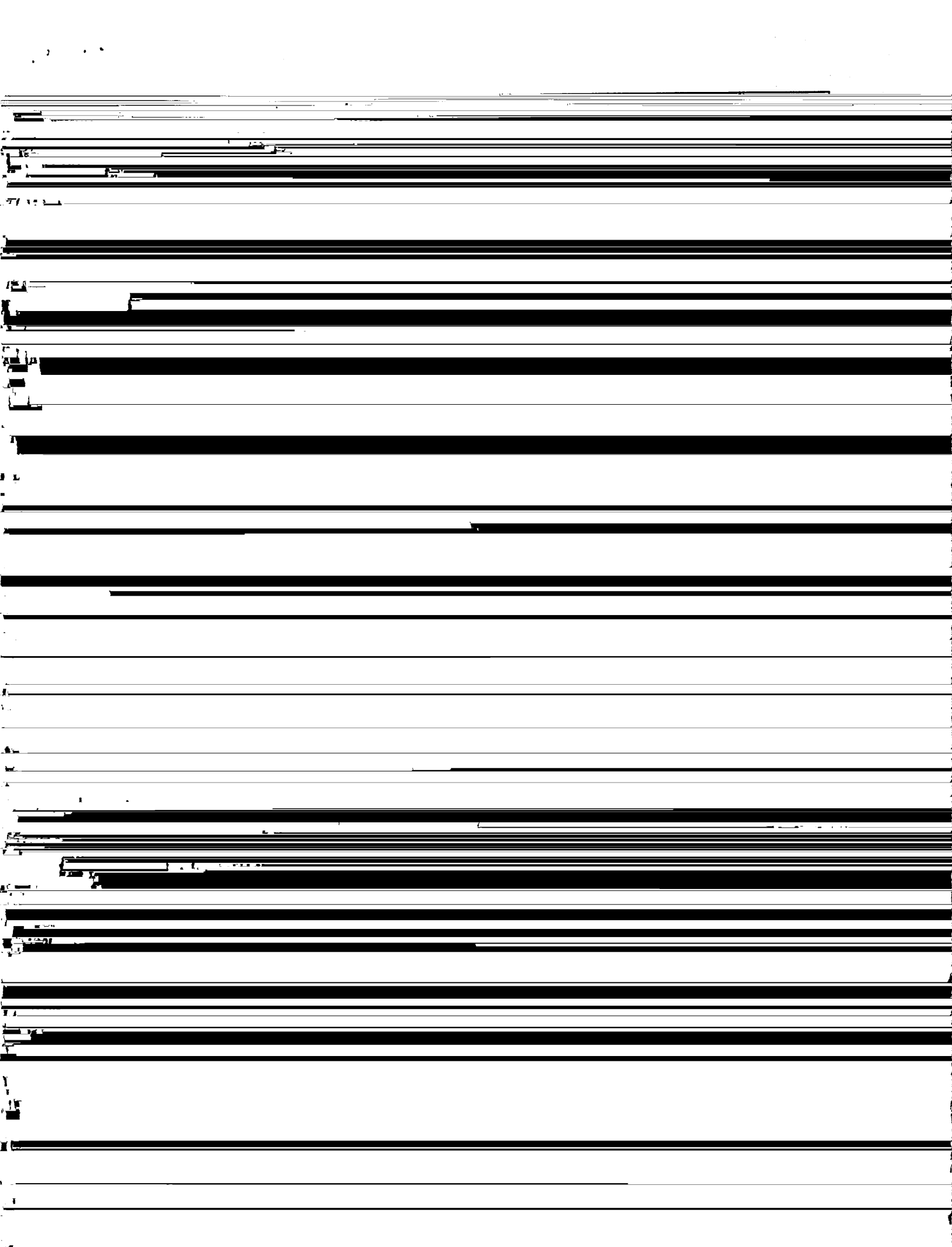
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11/14/11 ~~Faculty Senate Office~~ *for a complete description of the rules governing curriculum & course changes*

CHANGE COURSE (MAJOR) and DROP COURSE PROPOSAL

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Design Loads, Building systems and loading, etc. Physical and mechanical properties of wood. Design values and



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DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING

CE 434 Timber Design – Fall 2009

3 credit hours

Instructor: Paul V. Perreault, MSCE, PE

Duckering 345
Cell: 322-4753
E-mail: ftpvp@uaf.edu

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07-145539-8.

American Forest and Paper Association, 2006. *2005 NDS & Wood Design*
~~Booklets American Wood Council 4 Volume Set ISBN 0-06-75095-8 5 in~~

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