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**Ohio Articulation Number (OAN)
Course Submission Form
2005-2006**



College/University The University of Akron

Course(s) Submitted(Title & Course #) 2990:131 Building Construction for
Ohio Articulation Number OET 016

Date 11-17-06

Name and title of individual submitting on behalf of the college/university

Name Mrs. Marcia Belcher Title Associate Professor, Construction Engineering Technology

Address The University of Akron
Department of Engineering & Science Technology
Akron, Ohio 44325-6104

E-mail mcbelch@uakron.edu

Phone 330-972-2055

Fax _____

Credit Hours 2 qtr _____ sem X

Lecture Hours 2

Laboratory Hours 0 (if applicable)

Pre-Requisites(s) Course work (if applicable)

None

Placement Score (if applicable)

(Name of test) _____

(Domain) _____ (Score) _____

Catalog/Course Description (Includes Course Title and Course #)

Materials and methods used in construction. Encompasses buildings constructed with wood, steel, concrete or a combination of these materials.

Texts/Outside Readings/Ancillary Materials

Fundamentals of Building Construction - Materials and Methods, 4th Ed.; Edward Allen; John Wiley & Sons - 2004

BIBLIOGRAPHY:

Principles and Practices of Heavy Construction; R. C. Smith

Building Construction; Huntington, Mickadeit

Course Objectives and/or Plan of Work

1. Introduce the student to building construction terminology.
2. To discuss the different building materials used in construction.
3. Introduce the student different building methods.

Description of Assessment and/or Evaluation of Student Learning

The final grade is based upon a 100-point system.

1. The two midterm exams equal 60% of the grade.
2. The final exam equals 30% of the grade.
3. The homework assignments equal 10% of the grade.

A	100-93.5	C+	80.4-77.5
A-	93.4-90.5	C	77.4-73.5
B+	90.4-87.5	C-	73.4-70.5
B	87.4-83.5	D+	70.4-67.5
B-	83.4-80.5	D	67.4-63.5
	D-		63.4-60.5

Master Syllabi and Working Syllabi (if both are used)

Syllabus: (and Master – Bluebook copy)

<u>Week:</u>	<u>Week of:</u>	<u>Reading Assignment:</u>	<u>Homework:</u>
1	Aug. 30	Introduction Ch. 1 “ <u>Making Buildings</u> ”	p. 17 # 2-4
2	Sept. 6	Ch. 2 “ <u>Foundations</u> ”	p. 71 # 1-6
3	Sept. 13	Ch. 3 “ <u>Wood</u> ” Ch. 4 “ <u>Timber Frame Const.</u> ”	p. 112 # 1-7 p. 141 # 1
4	Sept. 20	Ch. 5 “ <u>Wood Light Frame Const.</u> ”	p. 197 # 3-7
5	Sept. 27	Ch. 6 “ <u>Exterior Finishes for...</u> ”	p. 225 # 1-7
6	Oct. 4	Exam #1 (Ch. 1-6) Ch. 8 “ <u>Brick Masonry</u> ”	p. 301 # 2-7

7	Oct. 11	Ch. 9 “ <u>Stone & Concrete Masonry</u> ” Ch. 10 “ <u>Masonry Load-bearing Wall</u> ”	p. 335 #1, 3-5 p. 365 #1, 5-6
8	Oct. 18	Ch. 13 “ <u>Concrete Construction</u> ”	p. 501 #1, 3-5, 9
9	Oct. 25	Ch. 14 “ <u>Site-cast Concrete Framing</u> ”	p. 557 #2-5
10	Nov. 1	Ch. 15 “ <u>Pre-cast Concrete Framing</u> ”	p. 595 #1-3
11	Nov. 8	Exam #2 (Ch. 8-10, 13-15) Ch. 11 “ <u>Steel Frame Construction</u> ” Ch. 12 “ <u>Light Gauge Steel Frame</u> ”	p. 440 #1-6, 8 p. 461 #4
12	Nov. 15	Ch. 16 “ <u>Roofing</u> ”	p. 641 #1-6
13	Nov. 22	Ch. 17 “ <u>Glass & Glazing</u> ” Ch. 18 “ <u>Windows & Doors</u> ”	p. 673 #1-2, 5 p. 711 #2
14	Nov. 29	Ch. 19 “ <u>Designing Cladding Systems</u> ” Ch. 20 “ <u>Cladding w/ Masonry/Conc.</u> ” Ch. 21 “ <u>Cladding w/ Metal & Glass</u> ”	p. 731 #1, 4 p. 789 #1-2
15	Dec. 6	Ch. 23 “ <u>Interior Walls & Partitions</u> ” Ch. 24 “ <u>Finish Ceilings & Floors</u> ”	p. 839 #2-5

Additional Documentation

THIS COURSE, WHEN COMBINED WITH 2990:131 BLUEPRINT READING AND 2990:468 CONSTRUCTION MANAGEMENT, SATISFIES ALL OET 016 LEARNING OUTCOMES.

OH - BELMONT TECHNICAL COLLEGE (1978A) OH	T O	UNIVERSITY OF AKRON	EFFECTIVE DATES
BPR129		2990:131	Fall Semester 1980 - 9999
BPR130		2990:131	Fall Semester 1980 - 9999
OH - CLARK STATE COMMUNITY COLLEGE (1974A) OH	T O	UNIVERSITY OF AKRON	EFFECTIVE DATES
CET203		2990:131	Fall Semester 1989 - 9999
OH - COLUMBUS STATE COMMUNITY COLLEGE (1973A) OH	T O	UNIVERSITY OF AKRON	EFFECTIVE DATES
CMGT115		2990:131	Spring Semester 1993 - 9999
OH - OWENS COMMUNITY COLLEGE (1976A) OH	T O	UNIVERSITY OF AKRON	EFFECTIVE DATES

SKT109 and SKT114 and SKT127		2990:131	Summer Semester 1979 - 9999
OH - SINCLAIR COMMUNITY COLLEGE (1970A) OH	T O	UNIVERSITY OF AKRON	EFFECTIVE DATES
ARC105		2990:131	Fall Semester 1968 - 9999
OH - TERRA COMMUNITY COLLEGE (1975A) OH	T O	UNIVERSITY OF AKRON	EFFECTIVE DATES
ADT112		2990:131	Fall Semester 1975 - 9999
OH - UNIVERSITY OF CINCINNATI (1913A) OH	T O	UNIVERSITY OF AKRON	EFFECTIVE DATES
32 BLTN 318 - Construction Methods		2990:131	Fall Semester 1980 - 9999
32 CONA 840 - Construction Meth & Syst		2990:131	Fall Semester 1980 - 9999

OBR Use

Action

Approved	
Additional Information Requested	
Rejected	
Date	