

CENTER FOR INNOVATIVE TECHNOLOGIES
MASTER COURSE DOCUMENT

CET- 130 Building Codes and Materials

Course Description: A course on building code requirements and their applications to designing and constructing building projects.

Prerequisites(s): CET 115

Corequisite(s): No corequisites

Lecture Hours: 2	Lab Hours: 2	Credit Hours: 3
Lab Fee: \$70	Supplemental Fee \$0	Purpose:
<input type="checkbox"/> Transfer Assurance Guide Course (TAG)	<input type="checkbox"/> Transfer Module Course (TM)	
Course Format: Lecture	Grading: A/B/C/D/F/I	
Delivery Method: <input type="checkbox"/> Web	<input type="checkbox"/> Hybrid	<input checked="" type="checkbox"/> Classroom
Semesters Offered: <input type="checkbox"/> Fall	<input checked="" type="checkbox"/> Spring	<input checked="" type="checkbox"/> Summer

Course Primary Text:

Title: Ohio Building Code, https://codes.iccsafe.org/category/Ohio?year[]=Current+Adoption&page=1	Edition: 2017
Author(s): International Code Council	
Publisher: International Code Council	

Supplemental Materials:

Handouts on Concrete, Masonry, Wood and Steel
American with Disabilities Accessibility Guidelines

Course Outcomes:

1	ABET (A) Reinforced: an ability to apply knowledge, techniques, skills and modern tools of the discipline to narrowly defined engineering technology activities.
2	ABET (B) Reinforced: an ability to apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require limited application of principles but extensive practical knowledge.
3	ABET (D) Reinforced: an ability to function effectively as a member of a technical team.
4	ABET (E) Reinforced: an ability to identify, analyze, and solve narrowly defined engineering technology problems.
5	ABET (F) Reinforced: an ability to apply written, oral and graphical communications in both technical and non-technical environments; an ability to identify and use appropriate technical literature.
6	ABET (G) Reinforced: an understanding of the need for and an ability to engage in self-directed continuing professional development.
7	ABET (H) Reinforced: an understanding of and a commitment to address professional ethical responsibilities, including a respect for diversity.
8	ABET (I) Reinforced: a commitment to quality, timeliness and continuous improvement.

Course Topics:

Week 1	Introduction
--------	--------------

CENTER FOR INNOVATIVE TECHNOLOGIES
MASTER COURSE DOCUMENT

Week 2	Building Codes Chapter 1
Week 3	Building Codes Chapter 2, Test 1
Week 4	Building Codes Chapter 3, Visit Cincinnati Building Department Lab
Week 5	Building Codes Chapter 4, Test 2
Week 6	Building Codes Chapter 5 and 6, Wood
Week 7	Building Code Chapter 10, Test 3, Visit Child Care Center and Analyze per Ohio Building Code Lab
Week 8	Building Code Chapter 11, Steel
Week 9	Building Code Chapter 13, Test 4
Week 10	Concrete, Masonry
Week 11	Building Code Chapter 27, 28 and 29, Test 5
Week 12	American with Disability Act
Week 13	American with Disability Act, Test 6
Week 14	American with Disability Act, Lab 3 Accessible Treehouse Mt. Airy Forest Lab
Week 15	Summary, Conclusion and Final Test 7

Methods of Evaluation/Assessment

7 Quizzes @ 100 points each

3 Reports/Projects @ 100 points each

Course Keeper: ~~Ralph Wells~~
Course Keeper: George Armstrong

Date Completed: September 30, 2013
Updated: September 16, 2016
Updated: March 15, 2019, Carol Morman