

COURSE SYLLABUS

LAST REVIEW	Spring 2021
COURSE TITLE	Building and Fire Codes
COURSE NUMBER	FRSC 0210
DIVISION	Health Professions
DEPARTMENT	Fire Science
CIP CODE	43.0203
CREDIT HOURS	3
CONTACT HOURS/WEEK	Class: 3
PREREQUISITES	None
COURSE PLACEMENT	Students must meet the correct placement measure for this course. Information may be found at: https://www.kckcc.edu/admissions/information/mandatory-evaluation-placement.html

COURSE DESCRIPTION

Building and fire codes of city, state and federal governments. Codes and guides promulgated by other national organizations. Emphasis on provisions of city administrative code, the multiple dwelling law and code, rezoning resolutions, and city fire prevention regulations are emphasized.

PROGRAM LEARNING OUTCOMES

1. Demonstrate physical skills needed for employment as a firefighter.
2. Explain fire behavior.
3. Apply emergency management skills to provide basic emergency medicine in the field.
4. Evaluate strategy and tactics related to fire safety, survival techniques, and fire management.
5. Explain legal issues related to fire services administration.
6. Demonstrate employability skills necessary for completing the job search process.

TEXTBOOKS

<http://kckccbookstore.com/>

METHODS OF INSTRUCTION

A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom.

Methodology will be selected to best meet student needs.

COURSE OUTLINE

- I. Definitions
- II. Classification of Occupancy and Hazard of Content
- III. Means of Egress
- IV. Features of Fire Protection
- V. Building Services
- VI. New Places of Assembly
- VII. Existing Places of Assembly
- VIII. New Educational Occupancies
- IX. Existing Educational Occupancies
- X. New Health Care Occupancies
- XI. Existing Health Care Occupancies
- XII. New Hotel Occupancies
- XIII. Existing Hotel Occupancies
- XIV. The Lodging Industry
 - A. Hazards
 - B. Economics
 - C. Loss projections
- XV. New Apartment Buildings
- XVI. Existing Apartment Buildings
- XVII. One/Two-Family Dwellings

- XXVIII. New Mercantile Occupancies
- XXIX. Existing Mercantile Occupancies
- XXX. Business Occupancies
- XXXI. Industrial Occupancies
- XXXII. Storage
- XXXIII. Operating Features
 - A. Places of assembly
 - B. Educational occupancies
 - C. Health care occupancies
 - D. Residential occupancies
 - E. Mercantile occupancies
 - F. Business occupancies
- XXXIV. Standard Making Organizations
 - A. Air Movement and Control Association
 - B. Brick Institute of America
 - C. American Hardboard Association
 - D. Combustion Institute
 - E. Fertilizer Institute
 - F. Chlorine Institute American
 - G. Concrete Association
 - H. ASTM
- XXXV. Gypsum Association
 - A. Human Factors Society
 - B. Steel Window Institute
 - C. NFPA
 - D. Society of Plastics Industry
 - E. LP Gas Association
- XXXVI. Insurance Organizations
 - A. Alliance of American Insurers
 - B. American Insurance Association
 - C. American Nuclear Insurers
 - D. Cotton Fire and Marine Underwriters
 - E. GAB Business Services
 - F. Industrial Risk Insurers
 - G. I.S.O.

- H. National Cargo Bureau
- I. Improved Risk Mutuals

- XXVII. Laboratories
 - A. Underwriters
 - B. Factory Mutual
 - C. Southwest Research Institute
 - D. Center of Fire Research-NBS
 - E. Ohio State University

- XXVIII. Engineering of Code-Requirements

- XXIX. Code Enforcement

- XXX. Plans Examining and Review

COURSE LEARNING OUTCOMES

Upon successful completion of this course, the student will:

- A. Conduct a literature research project on current problems in code enforcement within the United States.
- B. Identify and present one of the standard making, trade or insurance related organizations.
- C. Review a required plan for code compliance

ASSESSMENT OF COURSE LEARNING OUTCOMES

Student progress is evaluated through both formative and summative assessment methods. Specific details may be found in the instructor's course information document.

COLLEGE POLICIES AND PROCEDURES

Student Handbook

<https://www.kckcc.edu/files/docs/student-resources/student-handbook-and-code-of-conduct.pdf>

College Catalog

<https://www.kckcc.edu/academics/catalog/index.html>

College Policies and Statements

<https://www.kckcc.edu/about/policies-statements/index.html>

Accessibility and Accommodations

<https://www.kckcc.edu/academics/resources/student-accessibility-support-services/index.html>