

Building Codes and Construction

Class

FIRT 1329

Examination of building codes and requirements, construction types, and building materials. Topics include walls, flooring, foundations, and various roof types and the associated dangers of each. This course meets Fire and Emergency Services Higher Education (FESHE) Model Curriculum core requirements.

Academic Dishonesty Policy

Students may be subject to disciplinary proceedings resulting in an academic penalty or disciplinary penalty for academic dishonesty. Academic Dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion. For additional information refer to the "Student Code of Conduct" in the Weatherford College student handbook.

Required Textbooks

Brannigan, Francis L. Building Construction for the Fire Service, 3rd ed. Quincy, MA: National Fire Protection Association, 1992. 0-87765-381-x and International Code Council. International Building Code. Country Club Hills, IL: International Code Council Inc., 2006.

Suggested Readings

Dunn, Vincent. Collapse of Burning Buildings. Tulsa, OK: PennWell Corporation, 1988., Goodson, Carl. Fire Service Ventilation. Chicago, IL: Fire Protection Publications, 2000. International Fire Service Training Association. Building Construction Related to the Fire Service. Stillwater, OK: Fire Protection Publications, 1999., US Fire Administration. Building Construction, Combustible and Non-Combustible. Emmitsburg, MD: 2000.

Evaluation Standards

Students will be evaluated based on their overall averages from the assignments, quizzes, class participation, semester long project, research papers, examinations and participations in discussion forums. The student's grade will be calculated from the above actions by utilization of the below model

Assignments 30%

Quizzes 30%

Exams (midterm 10%, final 20%)

Semester Long Project 10%

90% to 100% = A

80% to 89% = B

70% to 79% = C

60% to 69% = D

Below 60% = F

Disabilities

ADA Statement:

Any student with a documented disability (e.g. learning, psychiatric, vision, hearing, etc.) may contact the Office on the Weatherford College Weatherford Campus to request reasonable accommodations. *Phone:* 817-598-6350 *Office Location:* Office Number 118 in the Student Services Building, upper floor. *Physical Address:* Weatherford College 225 College Park Drive Weatherford, TX.

Academic Integrity

Academic Integrity is fundamental to the educational mission of Weatherford College, and the College expects its students to maintain high standards of personal and scholarly conduct. Academic dishonesty of any kind will not be tolerated. Academic dishonesty includes, but is not limited to, cheating on an examination or other academic work, plagiarism, collusion, and the abuse of resource materials including unauthorized use of Generative AI. Departments may adopt discipline specific guidelines on Generative AI usage approved by the instructional dean. Any student who is demonstrated to have engaged in any of these activities will be subject to immediate disciplinary action in accordance with institutional procedures.