ELE 127 International Residential Code I

Course Information

Credits: 1  
Campus: Washburn Institute of Technology  
Address: 5724 SW Huntoon  
City/State/Zip: Topeka, Kansas 66604  
Office Fax: 785-273-7080

Description

The IRC (International Residential Code) is the understanding of building of single and two-family dwellings. The student will develop a working knowledge of the code and standards of constructing a dwelling. The electrical student needs the understanding of basic building design to do their work more efficiently. The course will include the requirements for scope and administration, definitions, and building planning.

Textbooks

International Residential Code (2009)  
International Residential Code Study Companion (2009)

Student Learning Outcomes:

A. Communicate effectively  
B. Integrate technology  
C. Learn effectively  
D. Demonstrate cooperative teamwork skills  
E. Apply safety in the workplace  
F. Think critically and creatively  
G. Demonstrate responsible work ethics

Competencies

Student who successfully complete the course will be able to:

1. Identify the purpose and scope of the International Residential Code.  
2. Describe how the provisions of the IRC impact the selection of materials, methods of construction, and other requirements.  
3. Describe the powers, duties, and liability of building officials in regard to application and interpretation of the IRC.  
4. Define terms and conditions for light-framed construction as well as design standards.
5. Describe design loads for various rooms within residential structures.
6. Identify appropriate fire separation according to the IRC.
7. Identify appropriate lighting, heating, and ventilation requirements according to the IRC.
8. Identify appropriate egress requirements along with emergency escape.

Guidelines for Success

Assessment Plan
Assessment is an integral part of the educational process at Washburn Tech and accurate feedback is an important tool in continuously improving the institution’s technical programs. Students can expect to participate in assessment activities prior to entry into programs, within specific courses and following program completion for specific fields of study.

Grading Rationale
Student progress is evaluated by means that include, but not limited to: exams (60%), written assignments/labs (30%), and attendance/class participation (10%).

Grading Scale
92-100% A
84-91% B
76-83% C
68-75% D
0-67% F

Attendance
Effective learning cannot take place unless you are in class. Students are expected to attend every class period and will have daily professionalism points deducted if they are tardy or if they do not attend. As in any profession students are expected to contact the instructor if they are unable to attend due to sudden illness or a family emergency. If students need to miss class for other reasons, they should discuss the event with the instructor and make arrangements to make up the work ahead of time.

Disability
The Americans with Disabilities Act (ADA) Office is responsible for assisting in arranging accommodations and for identifying resources at Washburn Institute of Technology for persons with disabilities. Qualified students with disabilities MUST self-identify by completing an application. In addition students must provide appropriate medical documentation to the ADA coordinator to be eligible for accommodations. New requests for accommodations should be submitted at least two months or more prior to the date the accommodations are needed. However, please contact the ADA office as soon as a need may arise. Depending on the accommodation request, four to eight weeks lead time may be needed for timely and effective provision of accommodations.
The ADA Office coordinates and assists in arranging accommodations it deems appropriate for eligible students on a case-by-case basis. If you are a student with a disability that may substantially limit your ability to participate in any of our classes and you believe that you will need accommodations, it is your responsibility to contact:

**ADA Coordinator**  
Phone: 785-228-6356  
Email: gloria.christian@washburn.edu

It is the policy of Washburn Institute of Technology to assure equal employment and educational opportunity to qualified individuals without regard to race, color, sex, age, ancestry, marital or parental status, disability, religion, national origin, or sexual orientation/gender identity. Contact Pam Foster, Morgan Hall, Room Washburn University (785-670-1509), and pam.fosterel@washburn.edu.