

Building Codes & Inspections

CMGT - 2670 001

Course Description

This course is the study of current commercial and residential building codes. Inspections for code enforcement & compliance, occupancy classifications, area limitation, and life-safety regulations are analyzed. Specific attention is given to energy management code restrictions.

Semester: Fall & Spring

Course Student Learning Outcomes

- Learn about code administration, occupancy classifications and types of construction.
- Learn about Building height requirements, fire-resisted ratings and fire protection.
- Learn about Means of egress, accessibility, and detailed occupancy requirements.
- Learn about exterior wall coverings, roofs, foundations, masonry, wood, gypsum and interior environments.

Course Prerequisites

None, but having some understanding of construction would be very helpful but not required.

Engagement Plan

ppeter27@slcc.edu

(801) 706-7939

If you have any questions, email me at either the slcc email, or to pat.saltlakecity@gmail.com, or text me. Texting is better but tell me who you are (student at slcc) because I don't answer phone numbers I don't recognize (too many calls about my extended warranty).

Keys for Success (how to succeed in the course)

Show up for class, do the homework, and participate in class.

Required Text or Materials

Title: International Building Codes (IBC) 2021 or 2024

Title: International Residential Code (IRC) 2021 or 2024

For more information on textbook accessibility, contact Accessibility & Disability Services at ads@slcc.edu.

Additional Materials

You will need to have at least the International Building Code (IBC) within the first week of class (yes I do assign homework each week).

You can purchase the IBC and the International Residential Code (IRC) at the bookstore or through <https://www.iccsafe.org>, I also understand you can now rent the code book through ICCsafe, per month, but you will need to get both the IBC and the International Residential Building Code (IRC) for this class.

Brief Description of Assignments/Exams

Please note this is a general outline, all of the following is subject to change week to week:

Week one IBC Chapters 1 and 35: Administration, plus IBC Chapters 2 and Sections 508 and 509: Use and Occupancy Classifications

Week two IBC Chapter 6: Types of Construction

Week three IBC Chapter 5: General Building Heights and Area

Week four IBC Chapter 701 through 716: Fire-Resistance-Rated Construction

Week five IBC Sections 1001 through 1029: Means of Egress

Week six IBC Chapter 11: Accessibility and ADA

IBC Chapters 16, 17, 19, 21, 22, and 23 Special instructions,
Concrete, Masonry and Wood

Midterm Take home and email back.

Week seven IRC Chapters 1 and 44: Administration and Referenced Standards

IRC Chapters 4, 5, 6, 7, 8 & 9: Foundations, Floors Wall construction, Roof/ceiling
Construction and Roof Assemblies

Week eight IRC Chapters 10 & 11: Chimneys/Fireplaces and Energy Efficiency.

Week nine IRC Chapters 13 & 14 General Mechanical System Requirements and Heating/
Cooling Equipment

Week ten IRC Chapters 17, 18, 20, 21, 22, 23 and 24: Combustion Air, chimneys
And Vents, Boiler/Water Heaters, Hydronic Piping,
Special Piping and Storage Systems, Solar Systems, and Fuel Gas.

Week eleven IRC Chapter 25, 26, and 27: Plumbing, Plumbing Fixtures, Water
Heaters, Water Supply, Distribution, Sanitary Drainage

Week twelve IRC Chapters 28, 29, 30, 31, 32, and 33: Vents, Traps, and Storm Drainage.

Week thirteen IRC Chapters 34, 35, 36, and 37: General Electrical Requirements,

Definitions, Services, and Branch Circuits and Feeder Requirements.

Week fourteen IRC Chapters 38, 39, 40, 41, and 42; Lighting Distribution, Devices, and Lighting Fixtures, Appliance Installation and Swimming Pools

Week fifteen IRC Chapters 8, 12, 15, 24, 25, 26, and 30: Interior finishes, Gypsum Board,

Week sixteen Final (take home, email back)

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	Introduce Yourself	Discussion	0
	Roll Call Attendance	Assignment	100

Grading Scale

Midterm ~ Maybe

Homework ~ 50%

Classroom participation ~ 50%

Final exam ~ If you DO NOT submit the final you will lose one whole grade point.

If you have an emergency and cannot be in class: Be sure to Contact me ASAP to let me know and to arrange to get your homework assignment.

ATTENDANCE: Attendance in this class is critical. Most of your grade is based on participation in class. If you are not in class you will lose those participation points. Absences will result in a drop in your grade. I do have assignments I can give to make up for missed classes. Just try not to miss class.

Some classes might take place on Zoom if you can't do Zoom let me know.

How to Navigate to Canvas

Institutional Policies

As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

Advising and Counseling Support Services

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

Student Academic Calendar

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)