

CASPER COLLEGE COURSE SYLLABUS
ELAP 1555, Section 01 – Independent Electrical Apprentice V

Semester/Year: Fall 2015

Lecture Hours: 5

Lab Hours: 0

Credit Hours: 5

Class Time: 6:30-9:00 pm

Days: TW

Room: PS222

Instructor's Name: Neal Hibscheiler

Instructor's contact Information:

Phone: 251-4872

Email: nealhib@bresnan.net

Office hours: N/A

Course Description:

An in depth study of commercial installations, including NEC requirements and calculations for same.

Statement of Prerequisites:

Recommended status as a second or third year Electrical Apprentice with an Independent Electrical contractor, and registered with the State of Wyoming Electrical Board of the Department of Fire Prevention and Electrical Safety, as an apprentice electrician.

Course Goals:

Upon completion of this course, the student will meet the requirements for continuation as a second or third year Electrical Apprentice. Course is intended to provide entry-level training for employment in areas closely related to electrical wiring. As such, it is not intended to be transferred to other institutions, although it may be accepted by similar two-year vocational programs. Within the State of Wyoming, this course is transferable to any other Community College participating in State approved Electrical Apprenticeship training program.

Outcomes:

1. Apply the National Electrical Code to commercial electrical applications.

Course Objectives:

1. Wiring of commercial buildings to meet the requirements of the National Electrical Code.
2. Practice the safeguarding of persons and property from the hazards arising from the use of electricity.
3. Interpretation of the National Electrical Code.

Methodology:

Lecture, demonstration, audio-visual materials and practical applications will be used for instruction in this course.

Evaluation Criteria:

Students will be evaluated on participation and exams. Participation will be 50% and the other 50% will be based on exams covering the NEC and commercial electrical wiring.

Grading Policy:

A	=	94% or better
B	=	88 – 93%
C	=	82 – 87%
D	=	75 – 81%
F	=	Less than 75%

Casper College may collect samples of student work demonstrating achievement of the above outcomes. Any personally identifying information will be removed from student work.

Required Text, Readings, and Materials:

Electrical Wiring Commercial, Mullin and Smith, Delmar Learning, 15th ed., 2014.

2014 National Electrical Code.

Class Policies: Last Date to Change to Audit Status or Withdraw with a W Grade:

November 12, 2015

Attendance is required by the Department of Fire Prevention and Electrical Safety and Casper College. All students must have at least 72 hours of attendance per semester. Less than 72 will result in failure.

No student will be allowed to take midterm or continue attending class if not registered by October 12.

Safety:

Personal and equipment safety standards will be strictly enforced. *It is the individual's responsibility to develop and use a safe work attitude.* Disregard for the safety of yourself and/or others will result in dismissal from the class.

Student Rights and Responsibilities:

Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command:

If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head/Program Director, the Dean, and lastly the Vice President for Academic Affairs.

Academic Dishonesty:

(Cheating & Plagiarism) Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct for more information on this topic.

Official Means of Communication:

Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly. This is also, where you will find course evaluation links during course evaluation periods.

ADA Accommodations Policy:

If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college's Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

ELAP 1555**FALL 2015****HIBSCHWEILER**

Week	Unit	Topic
1		Introduction/Orientation
2	1	Commercial Building Plans and Specifications
3	2	Reading Electrical Working Drawings
4	3	Calculating the Electrical Load
5	4	Branch Circuits
6	5	Switches and Receptacles
7	6	Wiring methods
8		Midterm exam
9	7	Motor and Appliance Circuits, no class Tuesday
10	8	Feeders
11	9	Special Systems
12	10	Working Drawings
13	11	Special Circuits
14	11	Special Circuits, No class Wednesday
15	12	Panelboard Selection and Installation
16	12	Panelboard Selection and Installation
17		Final Exam

Syllabus subject to change without notice!!!!