



300 W. Sinclair, Gillette, WY 82718

Syllabus – Fall 2018

**ELAP\*1550\*30, Electrical Apprenticeship V**  
**Tuesdays, 6:00 PM to 8:30 PM**  
**(3 credit hours)**

<b>Instructor:</b> Lorn MacIlravie Mobile Phone: <b>307-299-3487</b> Home: 307-685-0830 <a href="mailto:lornmac@gmail.com">lornmac@gmail.com</a> <a href="mailto:lmacilravie@sheridan.edu">lmacilravie@sheridan.edu</a>	
<b>Prerequisites:</b> None	<b>Co-Requisites:</b> None

**Purpose/Description:**

ELAP 1550, Electrical Apprenticeship V, is the fifth class in a series of eight classes which meet the required classroom training for Apprentice Electricians registered with the Wyoming State Fire Marshal's Office. This course provides the electrical apprentice foundational knowledge needed for a career as a Journeyman electrician. Topics include safe work practices, introduction to the National Electrical Code (NEC), electrician's math, basic electronic theory, and wiring methods. The application of the NEC is incorporated throughout the course.

**Required Text and Materials:**

1. **NFPA 70, 2017 National Electric Code (or Handbook)**
2. **Electrical Level 3 Trainee Guide, 2014 or 2017 Edition**
3. **Calculator** (TI-30X IIS is recommended)

**Minimum Course Requirements:**

The student shall demonstrate a minimum of **70%** proficiency in the topics studied. Proficiency shall be evaluated through:

1. Individual and/or Group Assignments
2. Class Participation
3. Mid-term exam
4. Final exam
5. Core competency exam, with a score of 70% or higher

**Course Outline and Schedule:**

A semester schedule is posted on this website: <https://www.risingedgeservices.com/ELAP1550.html>. This schedule will be modified, depending on the progress of the class. It is up to you to stay informed regarding what material has been assigned.

Please stay up with the material because it is learned progressively, and each week we will add to the knowledge and skills already obtained. If you get behind, it may become difficult to catch up.

**Grading:**

The final course grade will be calculated according to the attached class outline. The class outline shows all of the assessment activities and their individual value. You must complete all scored activities with a 70% or greater to complete the class.

Grades will be based on attendance (25%), homework (25%), quizzes and labs (25%), and tests (25%).

Letter grades will be assigned as follows:

90-100%	A	70-79%	C	Below 60%	F
80-89 %	B	60-69%	D		

**Attendance:**

This course includes problem solutions, activities, and discussion which are not practical to make-up if missed. Consistent attendance is required for you to gain technical proficiency.

Absences will be excused for college activities, medical reasons, personal or family tragedy, jury duty, other genuine emergencies, working for your electrical employer out of town, and certain employer sponsored training opportunities.

***Please contact me in advance or as soon as practical to excuse absences. You can reach me by EMAIL at lornmac@gmail.com, or lmacilravie@sheridan.edu, by TEXT or PHONE at 307-299-3487.***

**Late / Make-up Work:**

No make-up work will be accepted unless **prior arrangements** have been made in connection with an excused absence. If an exam is missed in connection with an unexcused absence, the make-up exam score will be reduced by 10% to 20% depending on the situation.

**Participation:**

Participation is an important part of making the class beneficial and enjoyable. There are several facets to participating in class. Active class participation includes being on time, preparing for class, and engaged in the class. Points will be assigned daily for participation, considering all of these factors.

**Expectations:**

Below is a summary of what is required to be highly successful in this course, and get the most from it. You can expect to spend 3-4 hours per week out of class in order to fulfill these expectations.

- Review assigned book sections prior to class
- Complete assignments and practice problems
- Participate in class – ask questions, help your classmates, have a good attitude
- Come to class on time. Be prepared. Pay attention in class and take quality notes.
- Maintain an organized three ring binder of notes, handouts, assignments, etc.
- Communicate with me as soon as practical if you will be absent or if you are otherwise unable to fulfill these expectations

**Academic Honesty:**

The work you submit must be your own. Academic dishonesty includes deliberate plagiarism, submitting the work of others as your own, creating fake data, or any other form of intentional misrepresentation for

the purpose of receiving a higher evaluation than is merited, or to cause another student to receive a lower evaluation than merited and will not be tolerated. If you are found to have been academically dishonest, you will be held accountable, leading to action which may include:

- being required to complete extra assignments,
- receiving a grade of 0 for one or more assignments,
- failing the class, or
- Other as determined administratively.

**Disability Statement:**

Students with disabilities who believe they may need accommodations in this class must contact the disabilities services coordinator on their campus as soon as possible to request such accommodations.

**Other Considerations:**

Students are expected to conduct themselves in a courteous, safe, and professional manner. Late arrival is disruptive and discouraged as a matter of common courtesy. I reserve the right to remove any student from class that is unsafe or disruptive.

**Writing and Tutoring Center:** The Writing and Tutoring Center is located in GCMN 203. (Laura Satterly, 307-681-6230, email [lsatterly@sheridan.edu](mailto:lsatterly@sheridan.edu))

**Online Information:**

I will post class related documents, including the syllabus and schedules, online at the following location:

<https://www.risingedgeservices.com/ELAP1550.html>