

Electrical Apprenticeship
IV
ELAP 1545

Instructor: Baltasar Rodriquez

<https://www.nwc.edu/academics/docs/Northwest%20College%20Universal%20Syllabus%20Information.pdf>

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Catalog Course Description

Provides the beginning electrical apprentice with necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics include safety, introduction to the National Electrical Code, basic electrical theory, lighting and appliance circuits, and wiring methods. First course in a series of eight. Prerequisites: Status as a first-year Electrical Apprentice with an Independent Electrical Contractor and registration with the State of Wyoming Electrical Board of the Department of Fire Prevention and Electrical Safety as an apprentice electrician. (5 hrs lec)

Course Outcomes

Upon completion of this course, successful student will have demonstrated that they have gained a working knowledge of basic electrical theory. This includes an understanding of Ohm's Law and Kirchoff's Law, gain knowledge of wiring methods for electric circuits, calculating series, parallel and combination circuits, basic skills in utilizing the National Electrical Code.

Dates of Classroom Time

January 25th

February 8th and 22nd

March 21

April 2nd and 18th

May 2nd Final class for the semester

Grading Policy/

Students will be graded on completion of six (6) module tests and homework as assigned. Homework will be assignments to supplement classroom participation on use of the National Electrical Code. **All tests must be passed with a 70% or higher, if a lower score is received the test must be retaken. Any score under 70% results in failure of the entire course.**

Semester grades are computed based upon percentages of points earned, as follows:

93-100%	A
91-92.9%	A-
87-89.9	B+
83-86.9%	B
80-82.9%	B-
77-79.9%	C+
73-76.9%	C

70-72.9%

C-

Below 70 results in failure of the course, as required by the State of Wyoming Department of Fire Prevention and Electrical Safety.

Policies and Procedures on Academic Dishonesty

Please refer to the student handbook in reference to any academic dishonesty policies.

Required Text Book

Electrical, Level 4, 9E by NCCER (2018)

National Electrical Code Book (2018)

ADA Statement

Northwest College is dedicated to removing barriers and opening access for students with disabilities in compliance with ADA and Section 504 of the Rehabilitation Act. It is the student's responsibility to make an appointment with the Disability Support Services (DSS) Coordinator to provide documentation of a disability (whether it is psychiatric, learning, mobility, health related, or sensory) and to inquire about accommodations for courses each semester. To contact the DSS Coordinator, call 754-6135 or stop by the Student Success Center located in the lower level of Colter Hall. (For an electronic copy of the ADA statement, see http://www.northwestcollege.edu/intranet/academic_affairs/curriculum.dot)

Any material which students might find offensive to other's personal values such as portrayals of nudity, rough language, violence, sexual behavior, religious examples, etc. is prohibited.

Attendance

The State of Wyoming requires 72 hours of participation in an apprenticeship educational program. This is attained through six (6) class days and online course time. Any class absence must be excused by instructor and can be made up online.

How to Drop or Withdraw from a Class

If you find that you no longer wish to remain in this class, you should officially drop or withdraw from it as soon as possible; otherwise you will earn an "F." Only you can initiate this process. For more information, contact the Registration and Records Office in Enrollment Services, Room 102 in the Orendorff Building, or call (307) 754-6149.

Northwest College offers a variety of free tutoring services. For more information, please call 754-6052, talk with your instructor, or consult the tutoring services link on the student portal.