

# AU3.315 34006 – Lab Scope Diagnostics

Syllabus for Winter 2022

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Virtual “Office Hours” via phone, email, or video conferencing are available by appointment.

## Course Outcomes:

- National Coalition of Certification Centers (NC3) Certifications for the lab scope/scan tool Verus Edge
- Diagnose electronically controlled vehicle systems using a lab scope/scan tool
- Communicate significance of lab scope waveforms to team members and customers
- Demonstrate competence with Windows based and online software applications

## Course Description:

In this course we will focus primarily on the Snap-On diagnostic tool Verus Edge. Each class session involves using the powerful scan tool/lab scope software to complete vehicle specific diagnostic tests to diagnose electronically controlled vehicle systems. During this course you should achieve Snap-On Certification for the Verus Edge. The skills you learn will transfer to any scan tool with lab scope capabilities. The computer skills needed to complete course assignments will be useful in any modern automotive service facility.

## Grading System:

Professional Work Habits .....	20% of final grade
Homework Assignments .....	20% of final grade
NC3 Certifications .....	20% of final grade
Lab Assignments .....	20% of final grade
Final Exam .....	20% of final grade

**Professional Work Habits** grade is based on: Attendance and a professional attitude. You will earn a maximum of 3 points per day.

- **Attendance:** 2 of the 3 points you receive for attendance each day come from being punctual and engaged. You will get 2 points for logging in to online lectures on time and staying until the lecture is completed. You will only get 1 point if you are late or leave early. You will also receive 1 point a day for being professional. Zero points will be awarded for an absence. There are no excused absences. You are either here or not.
- **Professional Attitude:** Be respectful and courteous to everyone. You will be held accountable to the [Student Code of Conduct](#), which outlines expectations pertaining to academic honesty (including cheating and plagiarism), classroom conduct, and general conduct.

**Quizzes:** Some quizzes will be graded, and some will not be. The ungraded quizzes are participation quizzes and you will receive a 100% for participating. We will review the answers online. Participation quizzes and date assigned quizzes may not be made up.

**Homework Assignments:** The assignments are based on information from the User Manual and Verus Edge Presentation. Assignments are due according to the date given on the class Moodle page. I will accept late assignments up to one week late at a 10% penalty. Homework assignments more than one week late will not be accepted for grading.

**NC3 Certifications:** You will be receiving 3 NC3 certifications during this class. There are 3 tests that you will need to take.

**Lab Assignments:** There are 9 lab assignments in total. The signed labs, associated quizzes, and completed work orders must be turned in within one class period of completion in order to receive credit.

**Final Exams:** The Online Final is open note, open book. You do not have to be present to take this final exam.

**Extra-Credit: See me for available extra credit assignments as needed.**

**\*\*If you have made it this far and are still reading this boring syllabus upload a photo of a race car and receive 100 bonus points\*\***

**You will receive one of these letter grades:**

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

IN - Incomplete must be contracted with the instructor

W - Withdraw must be entered in WebRunner by the student prior to the deadline.

**Note:** the IN and W are non-completion grades for academic standing and financial aid.

For a tuition/fees refund you must officially drop this class prior to Monday, January 10th

**There is NO REQUIRED TEXTBOOK for this class. All class information can be found in the Moodle shell and NC3 web pages.**

LBCC has many **Learning Resources** designed to help you succeed.

- The Automotive Technology website is at <http://www.linnbenton.edu/automotive>
- Links to resources for all LBCC students  
<https://www.linnbenton.edu/current-students/student-support>

Counseling Services are available at the Lebanon Center and the Albany Campus. To schedule an appointment in Lebanon call (541) 259-5801. To schedule at the Albany Campus call (541) 917-4780

**Many learning activities in this class require a computer with high speed internet.**

You are encouraged to use computers here at the ATTC. Computer Labs are also available in Albany, Corvallis, Lebanon and Sweet Home.

Students who may need accommodations due to documented disabilities, or who have medical information which the instructor should know, or who need special arrangements in an emergency, should speak with the instructor during the first week of class. If you think you may need accommodation services, please contact Center for Accessibility Resources, (541) 917-4789.

LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws. (for further information <http://po.linnbenton.edu/BPsandARs/> )

### **Important Links**

NC3 Certifications: <https://www.nc3certs.com>

[Wear a mask or face covering](#) indoors at all times. Your mask or face covering must be properly worn (fully covering nose and mouth and tight-fitting). Mesh masks, face shields, or face covering that incorporates a valve designed to facilitate easy exhalation are not acceptable. If you have a medical condition or a disability that prevents you from wearing a mask or cloth face covering, you must obtain an accommodation from CFAR (Center for Accessibility Resources) to be exempt from this requirement. **State guidelines do not limit** class size. Physical distancing accommodations can be made upon request and cleaning supplies are also available for personal use.