Welcome to AU3.296 Steering, Suspension and Braking Systems.  
Class hours are Monday through Thursday 9:00 AM – 1:50 PM in IA-116.

We will focus on these 6 learning outcomes;
1) Practice safety precautions to protect yourself, vehicles and the environment
2) Communicate clearly with team members and customers
3) Conduct yourself on the job with a high degree of professionalism
4) Use service literature and tools efficiently
5) Understand the operational systems theory for steering, suspension and braking systems
6) Maintain and service steering, suspension and braking systems.

The number one outcome for this class is Safety.  To earn the course credits you must pass the online Safety & Pollution Prevention tests and earn the Automotive Lift Institute Safe Lifting Certificate.

Our class schedule is organized around these Learning Units:
#1 Safety, Wheel bearings, Tires & Wheels
#2 Wheel Alignment
#3 Braking Theory & Hydraulics
#4 Disc & Drum Brake Service
#5 Suspension Systems
#6 Steering Systems

For each learning unit you will have reading, homework assignments, classroom learning, an ASE style On-Line test, and lab activities. In the lab you will practice specific vehicle service tasks outlined by the National Automotive Technician’s Education Foundation (NATEF). After completing each learning unit you will receive a detailed grading progress report.

**Grading System:**
- Professional Work Habits ........ 20% of final grade
- Unit Tests and Homework ....... 20% of final grade
- NATEF Lab Activities ............. 40% of final grade
- ASE style Final Exam ............ 10% of final grade
- Performance Exams .............. 10% of final grade

A Professional Work Habits grade will be recorded for each class period based on: punctuality, safety, work orders, effective communication, diligence, cleanliness, proper use of tools, procedures and specifications. You must be in class to earn a Professional Work Habits grade for that day however up to four days may be missed with prior approval or proof of medical difficulties.

**NATEF lab activities** must be submitted for grading within one class day of their completion. Important grading options and responsibilities are detailed in the web page Homework and Lab Opportunities.

The ASE style Final Examination will be held at 10:00 A.M. on Monday, June 9th. All assessment activities must be completed by Wednesday, June 11th.
You will receive one of these letter grades.  
A = 91 - 100%  B = 81 - 90%  C = 71 - 80%  D = 61 - 70%  F = Below 61%  
P/NP - this option should be discussed with an instructor or advisor  
IN – this option must be contracted with the instructor  
AU - Audit  
Y - attendance less than 20% of class time  
W - Withdraw, student must select this grade prior to Friday May 16th  
  (to receive a tuition refund the student must withdraw by Friday April 11th)

Your Instructor for Steering, Suspension and Braking Systems is Phil Krolick at 917-4602 or e-mail Phil.Krolick@linnbenton.edu  
Office Hours are from 8:00 - 9:00 A.M. Monday through Thursday.  

The Textbook is:  *Automotive Chassis: Brakes Steering & Suspension* by Tim Gilles ISBN# 1-4018-5630-6

For this class you must supply hand tools as outlined in the Required Tools list, safety glasses, safety shoes and coveralls. Tool rentals are available.  

For Lab Safety:  No equipment is to be used, or work performed, unless an instructor is present. You will wear safety glasses while in the active lab environment. Contact lenses are not safe, even under safety glasses, and are not allowed. To participate in lab activities, you must first complete the Automotive Lift Institute Safe Lifting Certificate.  

LBCC has many Learning Resources designed to help you succeed.  

The Automotive Technology website is at www.linnbenton.edu/auto.  

Links to resources for all LBCC students are at www.linnbenton.edu/auto/student_serv.htm  

The Learning Center can help you improve your lifelong learning skills and is a great place to study. They have computers, tutoring services, study skill resources, and a very helpful staff.

Tiffany Castillo (917-4796) e-mail CASTILT@linnbenton.edu is available in the counseling center. There are many ways she can help you succeed as an LBCC student.

Many learning activities in this class require a computer with a high speed internet connection. Computer Labs are available on this campus, in Corvallis, Lebanon and Sweet Home.

You should meet with your instructor during the first week of class if  
  ▪ You have a documented disability and need accommodations,  
  ▪ Your instructor needs to know medical information about you, or  
  ▪ You need special arrangements in the event of an emergency.

If you have not accessed services and think you may need them, please contact Disability Services, 917-4789