

**Western Dakota Technical Institute
800 Mickelson Drive
Rapid City, SD 57703-4018**

Master Syllabus

Course Number: TTT 240
Course Name: Under-Truck Diagnosis Lab
Credits: 5
Contact Hours: 10 Lab

Course Description: The hands-on construction, operation, and repair of heavy duty vehicle brakes, steering, and suspension systems will be covered in this course. Vehicle alignment procedure will also be taught during this course.

Prerequisites: None

Textbooks: <http://bookstore.wdt.edu>

Materials: Required personal tools from the program tool list, notebook, laptop, and 3-ring binder.

Student Learning Outcomes:

- Evaluate a heavy duty vehicle brake system
- Repair typical heavy duty vehicle brake systems
- Evaluate a heavy duty vehicle steering system
- Evaluate a heavy duty vehicle suspension system
- Properly align vehicles suspension and steering

Assessment: The core abilities of analytical skills, communication skills, technology skills, teamwork techniques, social skills, and employability will be assessed throughout this course.

ADA Accommodations: Students Rights to Assistance or Accommodations: Western Dakota Technical Institute (hereinafter WDT) does not discriminate on the basis of disability. If you have a disability as defined by federal or state law, including a temporary disability related to pregnancy and/or parenting as a result of a medical necessity due to childbirth, WDT will provide reasonable accommodations including but not limited to architectural access, aids and services necessary for effective communication, and modification of its policies and procedures. Students with a disability who are requesting an accommodation should contact your instructor and the Student Success Director who serves as the disability coordinator as early as possible in the semester.

December 2016

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