

# Course Outcome Guide (COG)

Approved April 13, 2015

<b>Course:</b> DTEC 137	<b>Title:</b> Suspension & Steering Systems	<b>Credits:</b> 4	<b>Instructor:</b>			
<b>Course Description:</b>	This course covers principles of suspension and steering components, function and testing procedures found on modern medium and heavy duty trucks.					
Concepts and Issues	Process Skills	Assessment Tasks	Intended Outcomes			
			Course	General Education or Program	Institutional	
<ul style="list-style-type: none"> <li>• For the student to develop a basic understanding of different types of suspension &amp; steering components found on modern vehicles</li> <li>• Develop skills for proper procedures in servicing suspension &amp; steering components</li> <li>• Develop skills for troubleshooting suspension &amp; steering components</li> <li>• Develop knowledge of suspension &amp; steering systems and their function</li> </ul>	<ul style="list-style-type: none"> <li>• Identify and describe the function of suspension &amp; steering components</li> <li>• Demonstrate proper procedure in servicing suspension &amp; steering components</li> <li>• Demonstrate knowledge of basic troubleshooting and adjustment</li> <li>• Perform inspection procedures on suspension &amp;</li> </ul>	<ul style="list-style-type: none"> <li>• Weekly testing</li> <li>• Shop performance</li> <li>• Demonstration of course specific skills</li> </ul>	<ol style="list-style-type: none"> <li>1. Demonstrate procedures used in servicing suspension &amp; steering systems</li> <li>2. Demonstrate the ability to identify suspension &amp; steering components and explain their proper function</li> <li>3. Perform skills on troubleshooting and repair of suspension &amp; steering systems</li> <li>4. Demonstrate knowledge of component</li> </ol>	<ol style="list-style-type: none"> <li>1. Make troubleshooting decisions and complete repairs using the proper tools and equipment based on concepts and processes learned in the Transportation program.</li> <li>2. Be prepared to take NATEF Certification tests.</li> <li>3. Apply the knowledge acquired for future employment.</li> <li>4. Apply the knowledge of safety procedures and handling of hazardous material processes to their training and future</li> </ol>	<ol style="list-style-type: none"> <li>1. Students will demonstrate effective communication skills.</li> <li>2. Students will use reasoning skills to analyze and solve problems.</li> </ol>	

	steering components		disassemble, reassembly and adjustment	employment.	
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