CISCO COLLEGE  
Abilene Educational Center  
717 East Industrial Blvd.  
Abilene, Texas 79602  
Syllabus,  
FOR  
Intro to Automotive Technology AUMT 1305.50  
Spring Semester 2016  
Final May 09, 2016

Instructor Name:  Roy Call

Office:  Abilene Center, Room 140B

Phone:  (325) 794-4425, E-mail roy.call@cisco.edu

Office Hours:  Mon. – Thurs. 1:45 p.m. – 2:45 p.m.

Course Description:

Course Description: An introduction to theory, operation, and repair of the engine dynamics, ignition systems, and fuel delivery systems. Use of basic engine performance diagnostic equipment.

COURSE OBJECTIVES:

1. Utilizing appropriate safety procedures, the student will demonstrate engine diagnostic procedures.
2. The student will perform cylinder head, valve train, engine block, and lubrication.
3. Cooling systems diagnosis and repair.

PREREQUISITES:  None

Transferability: Certificate programs do not transfer. If you receive an Associates in Applied Science it will transfer.
COURSE STRUCTURE:

This course will meet six hours per week each Monday from 8:00 a.m. until 1:00 p.m. This will include 2 hours lecture and 4 hours lab per week.

REQUIRED TEXT BOOKS AND MATERIALS:

The required text is Modern Automotive Technology 8th Edition publisher The Goodheart-Willcox Company, Inc. And may be purchased at the Cisco College bookstore.

RECOMMENDED OPTIONAL MATERIALS AND LIBRARY RESOURCES:

There are several trade journals and publications available in the classroom. Also, the library has materials available. Each student has access to the computer labs including the Internet. Videos will also be utilized. Mitchell Manuals for Automotive Professionals and Alldata for Windows are furnished in the classroom.

EVALUATION METHODS INCLUDING GRADING:

Evaluation will be based on course objectives outlined above.

Test  
Chapter Review Questions,  
Daily Assignments, and  
And Portfolio  25%  
Laboratory  50%  
Final Exam  25%  
(The lab grade is based on work done in the shop. Example; Time in the lab has to be professional and you must participate in the task at hand. Grades will decrease if any of the following is done. Not participating, horse playing, talking, texting, search web on their phone, leaving lab area without permission. Early departure without permission will result in a F or 0 for the lab grade.)

Semester grades will be based on the following percentage distributions.

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TESTING AND ACADEMIC DISHONESTY:

You may use your textbooks, student reference book, manuals, or any other approved material to complete your daily assignments and chapter assignments and work with other students in the class as long as you are working on the current assignments. Make up work will be done on your own.

Major test and the final exam must be accomplished from what you have learned. You may not use your books or any other material and you must do your own work. Cheating and or plagiarism will result in your being suspended from the class, and an F or zero on the test, and may result in permanent expulsion from the course.

Parking for auto tech students is in the school parking lots. Only the vehicles to be worked on will be allowed within the area beside the auto shop. Foul language will not be tolerated in the class or the shop. The use of tobacco is forbidden in the buildings on this campus. Only acceptable driving habits by auto tech students will be tolerated on this campus.

Learning Objectives and Methods of Assessment:

As outlined in the learning plan, the student will discuss the effects of cultural diversity found in the automotive industry. Utilizing appropriate safety procedures, the student will explain engine dynamics, demonstrate safe, professional, and responsible work practices, diagnose and repair ignition systems, diagnose and repair fuel delivery systems, demonstrate the use of service publications. The student will demonstrate the use of computers, computer based systems, and software pertaining to the automotive industry. The student must demonstrate to the instructor using testing equipment and hands on methods on actual automobiles, and must be able to use their verbal and writing skills to repair a car. Each student must take and pass Departmental Exams at the end of each semester to demonstrate mastery in the subject before receiving Certificates.
Technology Integration
Industrial Technology courses involve the use technology in various forms including computerized training software and simulations students are required to complete. All courses involve internet based research assignments. Various courses require at least one research paper using basic computer word processing skills such as Microsoft Word. (*Refer to evaluation methods on syllabi to see if research papers are required.*) Students will be required to use computerized diagnostic equipment. Students must learn how to use computers looking up auto repair data. Please see your instructor if you require assistance in the use of computers and internet, or if you need special accommodations to aid you in using our computers.

Attendance Policy:
Prompt and regular attendance is considered necessary for satisfactory work. It is the responsibility of the instructor to keep an accurate and comprehensive record of attendance. Cisco College recognizes that absences from class may occur due to illness, death or illness in the immediate family, observance of a religious holiday or participation in a Cisco College sponsored activity. The Dean of Instruction must authorize (Absences due to participation in a Cisco College sponsored activity.) You may be dropped from this class after missing 3 classes. Three tardies count as one absence. You will be counted tardy if you are not present at the time your class is scheduled to begin. You will be counted absent if you leave the class or lab before the class is scheduled to end. When absences occur due to the reasons stated in the ATTENDANCE POLICY the student is allowed to make up the work missed. It is the student’s responsibility to inquire about work missed and make the arrangements to make up the work.

Major Units of Study:
Chapters 1,2,3,4,5,6,7,8,9,10

Course Content:
College-level courses may include controversial, sensitive, and/or adult material. Students are expected to have the readiness for college-level rigor and content.

Academic Integrity:
It is the intent of Cisco College to foster a spirit of complete honesty and a high standard of integrity. The attempt of students to present as their own any work they have not honestly performed is regarded by the faculty and administration
as a serious offense and renders the offender liable to serious consequences, possibly suspension.

**Library Resources:**
The library has materials available for students to use. There are many publications pertaining to the automotive industry in the Cisco College library.

**Conduct:**
A student who completes registration pledges to obey all college regulations. Any recognized misconduct, violation of regulations, or unacceptable behavior will be grounds for disciplinary action by the college. A student may be placed on probation or may be suspended from the college for violation of college rules, regulations, and policies. Students are expected to take responsibility in helping to maintain a classroom environment that is conducive to learning. In order to assure that all students have the opportunity to gain from the time spent in class, students are prohibited from using cell phones or beepers, making offensive remarks, reading material not related to class, sleeping or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result, at a minimum, in a request to leave class. A more detailed list of inappropriate behaviors is found in the current student handbook. Auto tech students are required to park in the school parking lots. *Do not bring disabled vehicles to the school.* Foul language will not be tolerated in the class or the shop. The use of tobacco is forbidden in the buildings on this campus. Smoking and using snuff is only allowed in designated areas. Do not discard cigarette butts except in approved containers. Only acceptable driving habits by auto tech students will be tolerated on this campus. Reckless driving or speeding may cause you to lose the privilege of driving your car on the campus. Your number one goal should be to get an education. Your college classes should come first and should be your primary interests until you complete your education.

**Students with Special Needs:**
Students who qualify for specific accommodations under the Americans with Disabilities Act (ADA) should notify the instructor the first week of class. It is the student’s responsibility to provide the necessary documentation to the Special Populations Coordinator.

**Changes to the Syllabus:**
The schedule and procedures in this syllabus are subject to change if deemed appropriate by the instructor.
**Exit Competencies**

**attachment**

**SCANS Competencies:** A description of all SCANS Competencies is attached.

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OUTLINE AUMT 1405.50
INTRODUCTION TO AUTOMOTIVE TECHNOLOGY

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WEEK 16 MAY 02 ----- REVIEW, LAB
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FOR
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1. Utilizing appropriate safety procedures, the student will demonstrate engine diagnostic procedures.
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PREREQUISITES:  None

Transferability: Certificate programs do not transfer. If you receive an Associates in Applied Science it will transfer.
COURSE STRUCTURE:

This course will meet six hours per week each Monday from 6:30 p.m. until 12:30 a.m. This will include 2 hours lecture and 4 hours lab per week.

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WEEK 17    MAY 09 ----- FINAL EXAM
CISCO COLLEGE
101 College Heights
Cisco, TX 76437
SYLLABUS
FOR
AUMT 1305
Intro Auto Tech Daytime Class
Monday 8am-1:55pm
(3 hours credit)
Spring Semester 2016
Instructor: Scott Hetrick
Office: Technical Building I, Room 30A
Phone: 254-442-5156
Office Hours Monday thru Wednesday 6pm to 8pm

COURSE DESCRIPTION:
An introduction to the automotive industry including automotive history, safety practices, shop
equipment and tools, vehicle subsystems, service publications, fasteners, professional
responsibilities, and automotive maintenance.

COURSE OBJECTIVES:
Utilizing appropriate safety procedures; describe historical development and career information
of the automotive industry; demonstrate safe professional and responsible work practices;
demonstrate the proper use of shop equipment and tools; describe functions of vehicle
subsystems; use service information; identify various automotive fasteners; and perform
automotive maintenance.

COURSE STRUCTURE:
This course will meet six hours per week each

PREREQUISITES:
None

TRANSFERABILITY:
Certificate programs do not transfer. If you receive the Associates in Applied Science, it may
transfer.

REQUIRED TEXT BOOK AND MATERIALS:
The required text is Modern Automotive Technology 8th Edition. For new student you will need
the package that contains the textbook and shop manual including the license for the online
course. Existing students will only need the license for the online course. There are several trade
journals and publications available in the classroom. Each student has access to the computer
labs including the internet. Videos will also be utilized. Alldata for Windows is furnished in the
classroom.

LEARNING OBJECTIVES AND METHODS OF ASSESSMENT:
Utilizing appropriate safety procedures, the student will demonstrate familiarity with historical
development and career information on the automotive industry: demonstrate safe, professional,
and responsible work practices: identify and demonstrate the proper use of shop equipment and
tools: identify and describe functions of vehicle subsystems: demonstrate the use of service
publications: identify various automotive fasteners used in industry; and perform automotive
maintenance. Each student must take and pass Departmental Exams at the end of each semester to demonstrate mastery in the subject before receiving certificates.

**PURPOSE AND GOAL OF THE COURSE RELATED TO THE COLLEGE MISSION:**
This course is part of a comprehensive program of knowledge and skills provided by Cisco College and are essential for career preparation to enter the automotive industry.

**GRADING POLICY:**
Evaluation will be based on course objectives outlined above.
- 20% - Test
- 20% - Chapter Review Questions, Daily Assignments and Portfolio
- 40% - Laboratory
- 20% - Final Exam

The lab grade is based on work done in shop, and Lab Manual assignments.
All hands-on projects will be counted as shop hours. You must have permission and be scheduled to bring a vehicle in the shop. Work orders are to be signed and turned in on each project before beginning. Semester grades will be based on the following percentage distributions. **Shop hours are based on shop hours as listed in Alldata.** Shop hours will be taken from signed work orders you turn in after completion of the shop projects. If your daily assignments are not turned in on time your shop hours will be discounted. If you do not complete all of your daily assignments your shop hours will be capped at 35 hours. This will be a 70 or a C on your shop hours.

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MAJOR UNITS OF STUDY:
An introduction to the automotive industry including automotive history, safety practices, shop equipment and tools, vehicle subsystems, service publications, fasteners, professional responsibilities, and automotive maintenance.

COURSE CONTENT:
College-level courses may include controversial, sensitive, and/or adult material. Students are expected to have the readiness for college rigor and content.

ACADEMIC INTEGRITY:
It is the intent of Cisco College to foster a spirit of complete honesty and a high standard of integrity. The attempt of students to present as their own work they have not honestly performed is regarded by the faculty and administration as a serious offense and renders the offender liable to serious consequences, possibly suspension.

LIBRARY RESOURCES:
The library has materials available for student use. There are many publications pertaining to the automotive industry in the Cisco College Library.

CONDUCT:
A student who completes registration pledges to obey all college regulations. Any recognized misconduct, violation of regulations, or unacceptable behavior will be grounds for disciplinary action by the college. A student may be placed on probation or may be suspended from the college for violation of college rules, regulations, and policies. Students are expected to take responsibility in helping to maintain a classroom environment that is conducive to learning. In order to assure that all students have the opportunity to gain from the time spent in class, students are prohibited from using cell phones or beepers, making offensive remarks, reading material not related to class, sleeping or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result, at minimum, in a request to leave class. A more detailed list of inappropriate behaviors is found in the current student handbook. Auto Tech students are required to park in the school parking lots. Do not bring disabled vehicles to the school. Foul language will not be tolerated in the class or the shop. The use of tobacco is forbidden in the buildings on this campus. Smoking and using snuff is only allowed in designated areas. Do not discard cigarette butts except in approved containers. Drug use is highly discouraged if this is an issue please come see me. Only acceptable driving habits by auto tech students will be tolerated on this campus. Reckless driving or speeding may cause you to lose the privilege of driving your car on the campus. Your number one goal should be to get an education. Your college classes should come first and should be your primary interests until you complete your education.

STUDENTS WITH SPECIAL NEEDS:
Students who qualify for specific accommodations under the Americans with Disabilities Act (ADA) should notify the instructor the first week of class. It is the student’s responsibility to provide the necessary documentation to the Special Populations Coordinator.

CHANGES TO SYLLABUS:
The schedule and procedures in this syllabus are subject to change if deemed appropriate by the instructor.

COURSE SCHEDULE:
The course schedule is attached.

DRESS CODE:
No opened toed shoes, no loose or baggy clothing, bright colors are at your own risk. You are welcome to bring coveralls or a change of clothing to class. Hearing and eye protection must be worn at all times during appropriate exercises. Jewelry is wear at your own risk.
CISCO COLLEGE
101 College Heights
Cisco, TX 76437
SYLLABUS
FOR
AUMT 1305
Intro Auto Tech (Evening Class)
Monday 6pm-12am
(3 hours credit)
Spring Semester 2016
Instructor: Scott Hetrick
Office: Technical Building I, Room 30A
Phone: 254-442-5156
Office Hours Monday thru Wednesday 6pm to 8pm

COURSE DESCRIPTION:
An introduction to the automotive industry including automotive history, safety practices, shop
equipment and tools, vehicle subsystems, service publications, fasteners, professional
responsibilities, and automotive maintenance.

COURSE OBJECTIVES:
Utilizing appropriate safety procedures describe historical development and career information
of the automotive industry; demonstrate safe professional and responsible work practices;
demonstrate the proper use of shop equipment and tools; describe functions of vehicle
subsystems; use service information; identify various automotive fasteners; and perform
automotive maintenance.

COURSE STRUCTURE:
This course will meet six hours per week each

PREREQUISITES:
None

TRANSFERABILITY:
Certificate programs do not transfer. If you receive the Associates in Applied Science, it may
transfer.

REQUIRED TEXT BOOK AND MATERIALS:
The required text is Modern Automotive Technology 8th Edition. For new student you will need
the package that contains the textbook and shop manual including the license for the online
course. Existing students will only need the license for the online course. There are several trade
journals and publications available in the classroom. Each student has access to the computer
labs including the internet. Videos will also be utilized. Alldata for Windows is furnished in the
classroom.

LEARNING OBJECTIVES AND METHODS OF ASSESSMENT:
Utilizing appropriate safety procedures, the student will demonstrate familiarity with historical
development and career information on the automotive industry: demonstrate safe, professional,
and responsible work practices: identify and demonstrate the proper use of shop equipment and
tools: identify and describe functions of vehicle subsystems: demonstrate the use of service
publications: identify various automotive fasteners used in industry; and perform automotive
maintenance. Each student must take and pass Departmental Exams at the end of each semester to demonstrate mastery in the subject before receiving certificates.

**PURPOSE AND GOAL OF THE COURSE RELATED TO THE COLLEGE MISSION:**
This course is part of a comprehensive program of knowledge and skills provided by Cisco College and are essential for career preparation to enter the automotive industry

**GRADING POLICY:**
Evaluation will be based on course objectives outlined above.
- 20%- Test
- 20%- Chapter Review Questions, Daily Assignments and Portfolio
- 40%- Laboratory
- 20%- Final Exam

The lab grade is based on work done in shop, and Lab Manual assignments. All hands-on projects will be counted as shop hours. You must have permission and be scheduled to bring a vehicle in the shop. Work orders are to be signed and turned in on each project before beginning. Semester grades will be based on the following percentage distributions. **Shop hours are based on shop hours as listed in Alldata. Shop hours will be taken from signed work orders you turn in after completion of the shop projects. If your daily assignments are not turned in on time your shop hours will be discounted. If you do not complete all of your daily assignments your shop hours will be capped at 35 hours. This will be a 70 or a C on your shop hours.**

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You may use your textbooks, student reference book, manuals, or any other approved material to complete your daily assignments and chapter assignments. Major text and final exam must be accomplished from what you have learned. You may not use your books or any other material and you must do your own work. Cheating and plagiarism will result in your being suspended from class and a F or zero on the test, and may result in permanent expulsion from the course.

**ATTENDANCE POLICY:**
Prompt and regular attendance is considered necessary for satisfactory work. It is the responsibility of the instructor to keep an accurate and comprehensive record of attendance. Cisco College recognizes that absences from class may occur due to illness, death, or illness in the immediate family, observance of a religious holiday or participation in a Cisco College sponsored activity. The Dean of Instruction must authorize absences due to participation in a Cisco College sponsored activity. You may be dropped from this class after missing 2 classes. You will be dropped after missing 3 classes. You may appeal being dropped to the President of Cisco College. If you are reinstated and miss or you are tardy again, **you are automatically dropped with no appeal.** Three tardies count as one absence. You will be counted tardy if you are not present at the time your class is scheduled to begin. You will be counted absent if you leave the class or lab before the class is scheduled to end. When absences occur due to reasons stated in the ATTENDANCE POLICY the student is allowed to make up the work missed. It is the student’s responsibility to inquire about work missed and make the arrangements to make up the work. Documentation is necessary for any absence.
MAJOR UNITS OF STUDY:
An introduction to the automotive industry including automotive history, safety practices, shop equipment and tools, vehicle subsystems, service publications, fasteners, professional responsibilities, and automotive maintenance.

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Instructor Name: Roy Call
Office: Abilene Center, Room 140B
Phone: (325) 794-4425, E-mail roy.call@cisco.edu
Office Hours: Mon. – Thurs. 1:45 p.m. – 2:45 p.m.

Course Description:

Course Description: An introduction to theory, operation, and repair of the engine dynamics, ignition systems, and fuel delivery systems. Use of basic engine performance diagnostic equipment.

COURSE OBJECTIVES:

1. Utilizing appropriate safety procedures, the student will demonstrate engine diagnostic procedures.
2. The student will perform cylinder head, valve train, engine block, and lubrication.
3. Cooling systems diagnosis and repair.

PREREQUISITES: None

Transferability: Certificate programs do not transfer. If you receive an Associates in Applied Science it will transfer.
This course will meet six hours per week each Tuesday from 8:00 a.m. until 1:00 p.m. This will include 2 hours lecture and 4 hours lab per week.

REQUIRED TEXT BOOKS AND MATERIALS:

The required text is Modern Automotive Technology 8th Edition publisher The Goodheart-Willcox Company, Inc. And may be purchased at the Cisco College bookstore.

RECOMMENDED OPTIONAL MATERIALS AND LIBRARY RESOURCES:

There are several trade journals and publications available in the classroom. Also, the library has materials available. Each student has access to the computer labs including the Internet. Videos will also be utilized. Mitchell Manuals for Automotive Professionals and Alldata for Windows are furnished in the classroom.

EVALUATION METHODS INCLUDING GRADING:

Evaluation will be based on course objectives outlined above.

Test
Chapter Review Questions,
Daily Assignments, and
And Portfolio 25%
Laboratory 50%
Final Exam 25%
(The lab grade is based on work done in the shop. Example; Time in the lab has to be professional and you must participate in the task at hand. Grades will decrease if any of the following is done. Not participating, horse playing, talking, texting, search web on their phone, leaving lab area without permission. Early departure without permission will result in a F or 0 for the lab grade.)

Semester grades will be based on the following percentage distributions.

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TESTING AND ACADEMIC DISHONESTY:

You may use your textbooks, student reference book, manuals, or any other approved material to complete your daily assignments and chapter assignments and work with other students in the class as long as you are working on the current assignments. Make up work will be done on your own.

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Learning Objectives and Methods of Assessment:

As outlined in the learning plan, the student will discuss the effects of cultural diversity found in the automotive industry. Utilizing appropriate safety procedures, the student will explain engine dynamics, demonstrate safe, professional, and responsible work practices, diagnose and repair ignition systems, diagnose and repair fuel delivery systems, demonstrate the use of service publications. The student will demonstrate the use of computers, computer based systems, and software pertaining to the automotive industry. The student must demonstrate to the instructor using testing equipment and hands on methods on actual automobiles, and must be able to use their verbal and writing skills to repair a car. Each student must take and pass Departmental Exams at the end of each semester to demonstrate mastery in the subject before receiving Certificates.

Technology Integration
Industrial Technology courses involve the use of technology in various forms, including computerized training software and simulations. Students are required to complete. All courses involve internet-based research assignments. Various courses require at least one research paper using basic computer word processing skills such as Microsoft Word. (Refer to evaluation methods on syllabi to see if research papers are required.) Students will be required to use computerized diagnostic equipment. Students must learn how to use computers looking up auto repair data. Please see your instructor if you require assistance in the use of computers and internet, or if you need special accommodations to aid you in using our computers.

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**Major Units of Study:**
Chapters 17, 18, 30, 31, 32, 33, 34, 35

**Course Content:**
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**Changes to the Syllabus:**
The schedule and procedures in this syllabus are subject to change if deemed appropriate by the instructor.
Exit Competencies
attachment

SCANS Competencies: A description of all SCANS Competencies is attached.

<table>
<thead>
<tr>
<th>Resources</th>
<th>Interpersonal</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1 Manages time by following course schedule.</td>
<td>2.1 Participates as a Member of a Team: Completes in class group activities cooperatively with others.</td>
<td>3.1 Acquires and evaluates information in class and through reading assignments.</td>
</tr>
<tr>
<td>3.3 Uses Computers to Process Information by organizing and communicating course assignments to instructor.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Technology</th>
<th>Basic Skills</th>
<th>Thinking Skills</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1 Selects Technology: Utilizes tools and machines including computers and their programs in order to complete assignments effectively.</td>
<td>6.1 Reading: Carefully assimilates materials including all reading assignments and prioritizes and interprets information.</td>
<td>7.1 Creative Thinking: Connects theory with practice and formulates new personal goals.</td>
</tr>
<tr>
<td>6.2 Writing: Communicates thoughts, ideas and messages through the completion of written assignments.</td>
<td>6.5 Listening: Student will listen to lectures, and respond utilizing both verbal and nonverbal communication. Student will critically analyze information presented in classroom for clarity and accuracy.</td>
<td>7.2 Decision Making: Considers risks in communication channels and determines most appropriate alternatives.</td>
</tr>
<tr>
<td>6.6 Speaking: Organizes ideas for presentation and communicates thoughts orally.</td>
<td>7.3 Problem Solving: Through lab exercises; identifies problems that exist, reasons for discrepancies, and implements plan of action for resolution of the problem.</td>
<td></td>
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<tbody>
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<td>8.1 Responsibility: Displays high standards of attendance and punctuality in class.</td>
<td></td>
</tr>
<tr>
<td>8.2 Self Esteem: Leaves course with confidence in the ability to communicate with coworkers.</td>
<td></td>
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OUTLINE AUMT 1407.50
AUTOMOTIVE ELECTRICAL SYSTEMS

Week 1 Jan. 19     Intro to Auto Electric System, cover syllabus, pre-test, safety
Week 2 Jan. 26    Cover chapter 17, lab
Week 3 Feb. 02    Covert chapter 18, lab
Week 4 Feb. 09    Test & Homework chapters 17 & 18, lab
Week 5 Feb. 16    Cover chapter 30, lab
Week 6 Feb. 23    Cover chapter 31, lab
Week 7 Mar. 01    Test & Homework chapters 30 & 31, lab
Week 8 Mar. 08    SPRING BREAK
Week 9 Mar. 15    Cover chapter 32, lab
Week 10 Mar. 22   Cover chapter 33, lab
Week 11 Mar. 29   Test & Homework chapters 32 & 33, lab
Week 12 April 05  Cover chapter 34, lab
Week 13 April 12  Cover chapter 35, lab
Week 14 April 19  Test & Homework chapters 34 & 35, lab
Week 15 April 26  Free Lab
Week 16 May 03    Review, lab
Week 17 May 10    FINAL EXAM
CISCO COLLEGE
Abilene Educational Center
717 East Industrial Blvd.
Abilene, Texas 79602
Syllabus,
For
Automotive Electrical Systems AUMT 1407.51
Spring Semester 2016
Final May 10, 2016

Instructor Name: Roy Call

Office: Abilene Center, Room 140B

Phone: (325) 794-4425, E-mail roy.call@cisco.edu

Office Hours: Mon. – Thurs. 1:45 p.m. – 2:45 p.m.

Course Description:

   Course Description: An introduction to theory, operation, and repair of the engine dynamics, ignition systems, and fuel delivery systems. Use of basic engine performance diagnostic equipment.

COURSE OBJECTIVES:

   1. Utilizing appropriate safety procedures, the student will demonstrate engine diagnostic procedures.
   2. The student will perform cylinder head, valve train, engine block, and lubrication.
   3. Cooling systems diagnosis and repair.

PREREQUISITES: None

Transferability: Certificate programs do not transfer. If you receive an Associates in Applied Science it will transfer.

COURSE STRUCTURE:
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<th>Resources</th>
<th>Interpersonal</th>
<th>Information</th>
</tr>
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<tbody>
<tr>
<td><strong>1.1 Manages time</strong> by following course schedule.</td>
<td><strong>2.1 Participates as a Member of a Team:</strong> Completes in class group activities cooperatively with others.</td>
<td><strong>3.1 Acquires and evaluates information</strong> in class and through reading assignments.</td>
</tr>
<tr>
<td><strong>Technology</strong></td>
<td><strong>Basic Skills</strong></td>
<td><strong>Thinking Skills</strong></td>
</tr>
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<td><strong>5.1 Selects Technology:</strong> Utilizes tools and machines including computers and their programs in order to complete assignments effectively.</td>
<td><strong>6.1 Reading:</strong> Carefully assimilates materials including all reading assignments and prioritizes and interprets information.</td>
<td><strong>7.1 Creative Thinking:</strong> Connects theory with practice and formulates new personal goals.</td>
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<td><strong>6.2 Writing:</strong> Communicates thoughts, ideas and messages through the completion of written assignments.</td>
<td><strong>7.2 Decision Making:</strong> Considers risks in communication channels and determines most appropriate alternatives.</td>
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<td><strong>6.5 Listening:</strong> Student will listen to lectures, and respond utilizing both verbal and nonverbal communication. Student will critically analyze information presented in classroom for clarity and accuracy.</td>
<td><strong>7.3 Problem Solving:</strong> Through lab exercises; identifies problems that exist, reasons for discrepancies, and implements plan of action for resolution of the problem.</td>
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<td><strong>6.6 Speaking:</strong> Organizes ideas for presentation and communicates thoughts orally.</td>
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<tr>
<td><strong>Personal Qualities</strong></td>
<td></td>
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<td><strong>8.1 Responsibility:</strong> Displays high standards of attendance and punctuality in class.</td>
<td></td>
<td></td>
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<tr>
<td><strong>8.2 Self Esteem:</strong> Leaves course with confidence in the ability to communicate with coworkers.</td>
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OUTLINE AUMT 1407.51
AUTOMOTIVE ELECTRICAL SYSTEMS

Week 1 Jan. 19   Intro to Auto Electric System, cover syllabus, pre-test, safety
Week 2 Jan. 26   Cover chapter 17, lab
Week 3 Feb. 02   Cover chapter 18, lab
Week 4 Feb. 09   Test & Homework chapters 17 & 18, lab
Week 5 Feb. 16   Cover chapter 30, lab
Week 6 Feb. 23   Cover chapter 31, lab
Week 7 Mar. 01   Test & Homework chapters 30 & 31, lab
Week 8 Mar. 08   SPRING BREAK
Week 9 Mar. 15   Cover chapter 32, lab
Week 10 Mar. 22  Cover chapter 33, lab
Week 11 Mar. 29  Test & Homework chapters 32 & 33, lab
Week 12 April 05 Cover chapter 34, lab
Week 13 April 12 Cover chapter 35, lab
Week 14 April 19 Test & Homework chapters 34 & 35, lab
Week 15 April 26 Free Lab
Week 16 May 03   Review, lab
Week 17 May 10   FINAL EXAM
CISCO COLLEGE
101 College Heights
Cisco, TX 76437
SYLLABUS
FOR
AUMT 1407
Auto Electrical Systems (Daytime Class T) 8am-1:55pm
(4 hours credit)
Spring Semester 2016
Instructor: Scott Hetrick
Office: Technical Building I, Room 30A
Phone: 254-442-5156
Office Hours Monday thru Wednesday 6pm-8pm

Course Description:
This comprehensive course covers both theory and operation of the electrical systems in today's high-tech vehicles. Topics covered include D.C. electrical theory, D.C. circuitry, Ohms Law, solid state components, batteries, starting circuits, charging circuits, lighting circuits, vehicle wiring and ignition systems. Emphasis will be placed on using modern electrical test equipment and procedures to diagnose and repair complex electrical systems. This course is designed to prepare the student for the ASE/NATEF Electrical Systems Certification test.

Course Objectives:
Utilizing appropriate safety procedures, and the student will gain the knowledge and skills necessary to diagnose and repair the complex electrical circuits, components and electronic control systems found on today’s modern automobile.

Course Structure:
This course will meet six hours per week each

Prerequisites: None
Transferability:
Certificate programs do not transfer. If you receive the Associates in Applied Science, it may transfer.

Required Text Books and Materials:
The required text is Modern Automotive Service Technician. For new student you will need the package that contains the textbook and shop manual including the license for the online course. Existing students will only need the license for the online course. There are several trade journals and publications available in the classroom. Each student has access to the computer labs including the internet. Videos will also be utilized. Mitchell Manuals for Automotive Professionals and Alldata for Windows are furnished in the classroom.

Learning Objectives and Methods of Assessment:
Utilizing appropriate safety procedures, the student will demonstrate familiarity with historical development and career information on the automotive industry: demonstrate safe, professional, and responsible work practices: identify and demonstrate the proper use of shop equipment and
tools: identify and describe functions of vehicle subsystems; demonstrate the use of service publications; identify various automotive fasteners used in industry; and perform automotive maintenance.

Each student must take and pass Departmental Exams at the end of each semester to demonstrate mastery in the subject before receiving certificates.

Purpose and Goal of the Course Related to the College Mission:
This course is part of a comprehensive program of knowledge and skills provide by Cisco College and are essential for career preparation to enter the automotive industry.

Grading Policy:
Evaluation will be based on course objectives outlined above.

Test 20%
Chapter Review Questions, Daily Assignments and Portfolio 20%
Laboratory 40%
Final Exam 20%

The lab grade is based on work done in shop, and Lab Manual assignments.
All hands on projects will be counted as shop hours. You must have permission and be scheduled to bring a vehicle in the shop. Work orders are to be signed and turned in on each project before beginning. Semester grades will be based on the following percentage distributions. You will receive 2 points per shop hour. Shop hours are based on shop hours as listed in Alldata.

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Percentage | Semester Grades
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90-100 | A
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CISCO COLLEGE
101 College Heights
Cisco, TX 76437
SYLLABUS
FOR
AUMT 1410
Auto Brake Systems
Wednesday 8am-1:55pm
(4 hours credit)
Spring Semester 2016
Instructor: Scott Hetrick
Office: Technical Building I, Room 30A
Phone: 254-442-5156
Office Hours Monday thru Wednesday 6pm-8pm

COURSE DESCRIPTION:
Operation and repair of drum/disc type brake systems. Emphasis on safe use of modern equipment. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems, and parking brakes.

COURSE OBJECTIVES:
Utilizing appropriate safety procedures, the student will diagnose and repair hydraulic systems; diagnose and repair drum/disc brake systems; diagnose and repair parking brakes; and diagnose and repair anti-lock brake systems.

COURSE STRUCTURE:
This course will meet six hours per week each Tuesday from 8am-2pm. This will include two hours of lecture and four hours of lab each week.

PREREQUISITES:
None

TRANSFERABILITY:
Certificate programs do not transfer. If you receive the Associates in Applied Science, it may transfer.

REQUIRED TEXT BOOK AND MATERIALS:
The required text is Modern Automotive Technology 8th Edition. For new student you will need the package that contains the textbook and shop manual including the license for the online course. Existing students will only need the license for the online course. Each student has access to the computer labs including the internet. Videos will also be utilized. ALLDATA is furnished in the classroom.

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**PURPOSE AND GOAL OF THE COURSE RELATED TO THE COLLEGE MISSION:**
This course is part of a comprehensive program of knowledge and skills provided by Cisco College and are essential for career preparation to enter the automotive industry.

**GRADING POLICY:**
Evaluation will be based on course objectives outlined above.

- 20% - Test
- 20% - Chapter Review Questions, Daily Assignments
- 40% - Laboratory
- 20% - Final Exam

Homework must be turned in on time however; late work will be accepted the next day for the highest grade of 70%. The lab grade is based on work done in shop, and Lab Manual assignments.

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**MAJOR UNITS OF STUDY:**
Overview of brake systems including diagnosis and repair. Performing task on machines pertaining to brakes.

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**STUDENTS WITH SPECIAL NEEDS:**
Students who qualify for specific accommodations under the Americans with Disabilities Act (ADA) should notify the instructor the first week of class. It is the student’s responsibility to provide the necessary documentation to the Special Populations Coordinator.

**CHANGES TO SYLLABUS:**
The schedule and procedures in this syllabus are subject to change if deemed appropriate by the instructor.

**DRESS CODE:**
No opened toed shoes, no loose or baggy clothing, bright colors are at your own risk. You are welcome to bring coveralls or a change of clothing to class. Hearing and eye protection must be worn at all times during appropriate exercises. Jewelry is wear at your own risk.
Instructor Name: Roy Call
Office: Abilene Center, Room 140B
Phone: (325) 794-4425, E-mail roy.call@cisco.edu
Office Hours: Mon. – Thurs. 1:45 p.m. – 2:45 p.m.

Course Description:

Course Description: An introduction to theory, operation, and repair of the engine dynamics, ignition systems, and fuel delivery systems. Use of basic engine performance diagnostic equipment.

COURSE OBJECTIVES:

1. Utilizing appropriate safety procedures, the student will demonstrate engine diagnostic procedures.
2. The student will perform cylinder head, valve train, engine block, and lubrication.
3. Cooling systems diagnosis and repair.

PREREQUISITES: None

Transferability: Certificate programs do not transfer. If you receive an Associates in Applied Science it will transfer.
COURSE STRUCTURE:

This course will meet six hours per week each Monday – Friday 2:45 p.m. until 4:00 p.m.

REQUIRED TEXT BOOKS AND MATERIALS:

The required text is Modern Automotive Technology 8th Edition publisher The Goodheart-Willcox Company, Inc. And may be purchased at the Cisco College bookstore.

RECOMMENDED OPTIONAL MATERIALS AND LIBRARY RESOURCES:

There are several trade journals and publications available in the classroom. Also, the library has materials available. Each student has access to the computer labs including the Internet. Videos will also be utilized. Mitchell Manuals for Automotive Professionals and Alldata for Windows are furnished in the classroom.

EVALUATION METHODS INCLUDING GRADING:

Evaluation will be based on course objectives outlined above.

Test
Chapter Review Questions,
Daily Assignments, and
And Portfolio 25%
Laboratory 50%
Final Exam 25%

(The lab grade is based on work done in the shop. Example; Time in the lab has to be professional and you must participate in the task at hand. Grades will decrease if any of the following is done. Not participating, horse playing, talking, texting, search web on their phone, leaving lab area without permission. Early departure without permission will result in a F or 0 for the lab grade.)

Semester grades will be based on the following percentage distributions.

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<thead>
<tr>
<th>Percentage</th>
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<td>D</td>
</tr>
<tr>
<td>59-Below</td>
<td>F</td>
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POLICY ON MAKE-UPS AND RE-TEST:

When absences occur due to the reasons stated in the ATTENDANCE POLICY the student is allowed to make up the work missed. It is the student’s responsibility to inquire about work missed and make the arrangements to make up the work.

Any unexcused absences will NOT be made up and any lab or test grades will be a “F” no exceptions.

Early Departure from Lab will have to be Pre-approved. If not, it is considered unexcused and an “F” will be given for your grade.

TESTING AND ACADEMIC DISHONESTY:

You may use your textbooks, student reference book, manuals, or any other approved material to complete your daily assignments and chapter assignments and work with other students in the class as long as you are working on the current assignments. Make up work will be done on your own.

Major test and the final exam must be accomplished from what you have learned. You may not use your books or any other material and you must do your own work. Cheating and or plagiarism will result in your being suspended from the class, and an F or zero on the test, and may result in permanent expulsion from the course.

Parking for auto tech students is in the school parking lots. Only the vehicles to be worked on will be allowed within the area beside the auto shop. Foul language will not be tolerated in the class or the shop. The use of tobacco is forbidden in the buildings on this campus. Only acceptable driving habits by auto tech students will be tolerated on this campus.

Learning Objectives and Methods of Assessment:

As outlined in the learning plan, the student will discuss the effects of cultural diversity found in the automotive industry. Utilizing appropriate safety procedures, the student will explain engine dynamics, demonstrate safe, professional, and responsible work practices, diagnose and repair ignition systems, diagnose and repair fuel delivery systems, demonstrate the use of service publications. The student will demonstrate the use of computers, computer based systems, and software pertaining to the automotive industry. The student must demonstrate to the instructor using testing equipment and hands on methods on actual automobiles, and must be able to use their verbal and writing skills to repair a car. Each student must take and pass Departmental Exams at the end of each semester to demonstrate mastery in the subject before receiving Certificates.

Technology Integration
Industrial Technology courses involve the use of technology in various forms. Including computerized training software and simulations, students are required to complete. All courses involve internet-based research assignments. Various courses require at least one research paper using basic computer word processing skills such as Microsoft Word. *(Refer to evaluation methods on syllabi to see if research papers are required.)* Students will be required to use computerized diagnostic equipment. Students must learn how to use computers looking up auto repair data. Please see your instructor if you require assistance in the use of computers and internet, or if you need special accommodations to aid you in using our computers.

**Attendance Policy:**
Prompt and regular attendance is considered necessary for satisfactory work. It is the responsibility of the instructor to keep an accurate and comprehensive record of attendance. Cisco College recognizes that absences from class may occur due to illness, death, illness in the immediate family, observance of a religious holiday or participation in a Cisco College sponsored activity. The Dean of Instruction must authorize (Absences due to participation in a Cisco College sponsored activity.) You may be dropped from this class after missing 3 classes. Three tardies count as one absence. You will be counted tardy if you are not present at the time your class is scheduled to begin. You will be counted absent if you leave the class or lab before the class is scheduled to end. When absences occur due to the reasons stated in the ATTENDANCE POLICY the student is allowed to make up the work missed. It is the student’s responsibility to inquire about work missed and make the arrangements to make up the work.

**Major Units of Study:**
Chapters 74,75,76,77,78,79,80

**Course Content:**
College-level courses may include controversial, sensitive, and/or adult material. Students are expected to have the readiness for college-level rigor and content.

**Academic Integrity:**
It is the intent of Cisco College to foster a spirit of complete honesty and a high Standard of integrity. The attempt of students to present as their own any work they have not honestly performed is regarded by the faculty and administration as a serious offense and renders the offender liable to serious consequences,
Possibly suspension.

**Library Resources:**

The library has materials available for students to use. There are many publications pertaining to the automotive industry in the Cisco College library.

**Conduct:**

A student who completes registration pledges to obey all college regulations. Any recognized misconduct, violation of regulations, or unacceptable behavior will be grounds for disciplinary action by the college. A student may be placed on probation or may be suspended from the college for violation of college rules, regulations, and policies. Students are expected to take responsibility in helping to maintain a classroom environment that is conducive to learning. In order to assure that all students have the opportunity to gain from the time spent in class, students are prohibited from using cell phones or beepers, making offensive remarks, reading material not related to class, sleeping or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result, at a minimum, in a request to leave class. A more detailed list of inappropriate behaviors is found in the current student handbook. Auto tech students are required to park in the school parking lots. *Do not bring disabled vehicles to the school.* Foul language will not be tolerated in the class or the shop. The use of tobacco is forbidden in the buildings on this campus. Smoking and using snuff is only allowed in designated areas. Do not discard cigarette butts except in approved containers. Only acceptable driving habits by auto tech students will be tolerated on this campus. Reckless driving or speeding may cause you to lose the privilege of driving your car on the campus. Your number one goal should be to get an education. Your college classes should come first and should be your primary interests until you complete your education.

**Students with Special Needs:**

Students who qualify for specific accommodations under the Americans with Disabilities Act (ADA) should notify the instructor the first week of class. It is the student’s responsibility to provide the necessary documentation to the Special Populations Coordinator.

**Changes to the Syllabus:**

The schedule and procedures in this syllabus are subject to change if deemed appropriate by the instructor.
**Exit Competencies**

**attachment**

**SCANS Competencies:** A description of all SCANS Competencies is attached.

<table>
<thead>
<tr>
<th>Resources</th>
<th>Interpersonal</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1 Manages time by following course schedule.</td>
<td>2.1 Participates as a Member of a Team: Completes in class group activities cooperatively with others.</td>
<td>3.1 Acquires and evaluates information in class and through reading assignments.</td>
</tr>
</tbody>
</table>

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<tr>
<th>Technology</th>
<th>Basic Skills</th>
<th>Thinking Skills</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1 Selects Technology: Utilizes tools and machines including computers and their programs in order to complete assignments effectively.</td>
<td>6.1 Reading: Carefully assimilates materials including all reading assignments and prioritizes and interprets information.</td>
<td>7.1 Creative Thinking: Connects theory with practice and formulates new personal goals.</td>
</tr>
<tr>
<td></td>
<td>6.2 Writing: Communicates thoughts, ideas and messages through the completion of written assignments.</td>
<td>7.2 Decision Making: Considers risks in communication channels and determines most appropriate alternatives.</td>
</tr>
<tr>
<td></td>
<td>6.5 Listening: Student will listen to lectures, and respond utilizing both verbal and nonverbal communication. Student will critically analyze information presented in classroom for clarity and accuracy.</td>
<td>7.3 Problem Solving: Through lab exercises, identifies problems that exist, reasons for discrepancies, and implements plan of action for resolution of the problem.</td>
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<td>6.6 Speaking: Organizes ideas for presentation and communicates thoughts orally.</td>
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<table>
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<tr>
<th>Personal Qualities</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>8.1 Responsibility: Displays high standards of attendance and punctuality in class.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.2 Self Esteem: Leaves course with confidence in the ability to communicate with coworkers.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
OUTLINE
AUMT 1416.80

WEEK 1- JAN 19  Intro to Steering & Suspension, Cover Syllabus, Pre-Test
WEEK 1- JAN 20-22  Cover Chapter 74, lab
WEEK 2-JAN 25-29  Test & Homework Chapter 74, Lab
WEEK 3-FEB 01-05  Cover Chapter 75, Lab
WEEK 4-FEB 08-12  Test & Homework Chapters 75, Lab
WEEK 5-FEB 15-19  Cover Chapter 76, Lab
WEEK 6-FEB 22-26  Test & Homework Chapter 76, Lab
WEEK 7-FEB 29-MAR 4  Cover Chapter 77, Lab
WEEK 8-MAR 07-11  SPRING BREAK
WEEK 9-MAR 14-18  Cover Chapter 77, Lab
WEEK 10-MAR 21-24  Test & Homework Chapter 77, Lab
MAR 25  GOOD FRIDAY. HOLIDAY
WEEK 11-MAR 28-APR01  Cover Chapter 78, Lab
WEEK 12-APRIL 04-08  Test & Homework Chapter 78, Lab
WEEK 13-APRIL 11-15  Cover Chapter 79, Lab
WEEK 14-APRIL 18-22  Test and Homework Chapter 79, start chapter 80, Lab
WEEK 15-APRIL 25-29  Homework & Test chapter 80, Lab alignment
WEEK 16-MAY  2- 6  REVIEW, LAB
WEEK 17-MAY 12  FINAL EXAM
CISCO COLLEGE
101 College Heights
Cisco, TX 76437
SYLLABUS
FOR
AUMT 1416
Suspension and Steering
Thursday 8am-2pm
(4 hours credit)
Spring Semester 2016
Instructor: Scott Hetrick
Office: Technical Building I, Room 30A
Phone: 254-442-5156
Office Hours Monday thru Wednesday 6pm-8pm

COURSE DESCRIPTION:
This course covers principles of operation, types, and diagnosis/repair of suspension and steering systems to include steering geometry. Topics include manual and power steering systems and standard and electronically controlled suspension and steering systems. Upon completion, students should be able to service and repair steering and suspension components, check and adjust alignment angles, repair tires, and balance wheels.

COURSE OBJECTIVES:
The aim of this steering and suspension course is to provide an understanding of steering and suspension principles, components and wheel alignment principles used throughout the light-vehicle industry.

COURSE STRUCTURE:
This course will meet six hours per week each Wednesday from 8am-2pm. This will include two hours of lecture and four hours of lab each week.

PREREQUISITES:
None

TRANSFERABILITY:
Certificate programs do not transfer. If you receive the Associates in Applied Science, it may transfer.

REQUIRED TEXT BOOK AND MATERIALS:
The required text is Modern Automotive Technology 8th Edition. For new student you will need the package that contains the textbook and shop manual including the license for the online course. Existing students will only need the license for the online course. There are several trade journals and publications available in the classroom. Each student has access to the computer labs including the internet. Videos will also be utilized. ALLDATA is furnished in the classroom.

LEARNING OBJECTIVES AND METHODS OF ASSESSMENT:
Utilizing appropriate safety procedures, the student will demonstrate familiarity with historical development and career information on the automotive industry: demonstrate safe, professional, and responsible work practices: identify and demonstrate the proper use of shop equipment and tools: The aim of this steering and suspension course is to provide an understanding of steering
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PURPOSE AND GOAL OF THE COURSE RELATED TO THE COLLEGE MISSION:
This course is part of a comprehensive program of knowledge and skills provide by Cisco College and are essential for career preparation to enter the automotive industry

GRADING POLICY:
Evaluation will be bases on course objectives outlined above.
20% -Test
20% -Chapter Review Questions, Daily Assignments
40% -Laboratory
20% -Final Exam
Homework must be turned in on time however; late work will be accepted the next day for the highest grade of 70%. The lab grade is based on work done in shop, and Lab Manual assignments.
All hands on projects will be counted as shop hours. You must have permission and be scheduled to bring a vehicle in the shop. Work orders are to be signed and turned in on each project before beginning. Semester grades will be based on the following percentage distributions. Shop hours are based on shop hours as listed in ALLDATA. Shop hours will be taken from signed work orders you turn in after completion of the shop projects. If your daily assignments are not turned in on time your shop hours will be discounted. If you do not complete all of your daily assignments your shop hours will be capped at 35 hours. This will be a 70 or a C on your shop hours.
Percentage    Semester Grades
90-100     A
80-89     B
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60-69     D
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You may use your textbooks, student reference book, manuals, or any other approved material to complete your daily assignments and chapter assignments. Major text and final exam must be accomplished from what you have learned. You may not use your books or any other material and you must do your own work. Cheating and plagiarism will result in your being suspended from class and an F or zero on the test, and may result in permanent expulsion from the course.

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MAJOR UNITS OF STUDY:
Service and repair steering and suspension components, check and adjust alignment angles, repair tires, and balance wheels.

COURSE CONTENT:
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20% -Chapter Review Questions, Daily Assignments
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20% -Final Exam

Homework must be turned in on time however; late work will be accepted the next day for the highest grade of 70%. The lab grade is based on work done in shop, and Lab Manual assignments.
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CISCO COLLEGE
ABILENE EDUCATIONAL CENTER
717 E Industrial Blvd.
Abilene, Texas 79602
SYLLABUS,
FOR
Automotive Engine Repair AUMT 1419.51
Spring Semester 2016
Final May 11, 2016

Instructor Name: Russell Allen
Office: Abilene Center, Room 140B
Phone: (325) 794-4425, E-mail: russell.allen@cisco.edu
Office Hours: Mon. - Thurs. 1:45 p.m. – 2:45 p.m.

COURSE DESCRIPTION:

Fundamentals of engine operation, diagnosis and repair including lubrication systems and cooling systems. Emphasis on overhaul of selected engines, identification and inspection, measurements, and disassembly, repair, and reassembly of the engine. May be taught manufacturer specific.

COURSE OBJECTIVES:

1. Utilizing appropriate safety procedures, the student will demonstrate engine diagnostic procedures.
2. The student will perform cylinder head, valve train, engine block, and lubrication.
3. Cooling systems diagnosis and repair.

PREREQUISITES: None

Transferability: Certificate programs do not transfer. If you receive an Associates in Applied Science it will transfer.
COURSE STRUCTURE:

This course will meet six hours per week each Wednesday from 6:30 p.m. until 12:30 a.m. This will include 2 hours lecture and 4 hours lab per week.

REQUIRED TEXT BOOKS AND MATERIALS:

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EVALUATION METHODS INCLUDING GRADING:

Evaluation will be based on course objectives outlined above.

Test
Chapter Review Questions,
Daily Assignments, and
And Portfolio 25%
Laboratory 50%
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(\textit{The lab grade is based on work done in the shop. Example; Time in the lab has to be professional and you must participate in the task at hand. Grades will decrease if any of the following is done. Not participating, horse playing, talking, texting, search web on their phone, leaving lab area without permission. Early departure without permission will result in a F or 0 for the lab grade.})

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Major Units of Study:

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WEEK 11 MARCH 30-- HOMEWORK & TEST CHAPTER 16, COVER CHAPTERS 56, LAB

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WEEK 16 MAY.04----- REVIEW

WEEK 17 MAY 11 ------FINAL EXAM
CISCO COLLEGE
ABILENE EDUCATIONAL CENTER
717 E Industrial Blvd.
Abilene, Texas 79602
SYLLABUS,
FOR
Automotive Engine Repair AUMT 1419.50
Spring Semester 2016
Final May 11, 2016

Instructor Name: Roy Call
Office: Abilene Center, Room 140B
Phone: (325) 794-4425, E-mail roy.call@cisco.edu
Office Hours: Mon. – Thurs. 1:45 p.m. – 2:45 p.m.

COURSE DESCRIPTION:

Fundamentals of engine operation, diagnosis and repair including lubrication systems and cooling systems. Emphasis on overhaul of selected engines, identification and inspection, measurements, and disassembly, repair, and reassembly of the engine. May be taught manufacturer specific.

COURSE OBJECTIVES:

1. Utilizing appropriate safety procedures, the student will demonstrate engine diagnostic procedures.
2. The student will perform cylinder head, valve train, engine block, and lubrication.
3. Cooling systems diagnosis and repair.

PREREQUISITES: None

Transferability: Certificate programs do not transfer. If you receive an Associates In Applied Science it will transfer.
COURSE STRUCTURE:

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WEEK 16 MAY.04----- REVIEW

WEEK 17 MAY 11 ------FINAL EXAM
Instructor Name: Roy Call
Office: Abilene Center, Room 140B
Phone: (325) 794-4425, E-mail roy.call@cisco.edu
Office Hours: Mon. – Thurs. 1:45 p.m. – 2:45 p.m.

Course Description:

Course Description: An introduction to theory, operation, and repair of the engine dynamics, ignition systems, and fuel delivery systems. Use of basic engine performance diagnostic equipment.

COURSE OBJECTIVES:

1. Utilizing appropriate safety procedures, the student will demonstrate engine diagnostic procedures.
2. The student will perform cylinder head, valve train, engine block, and lubrication.
3. Cooling systems diagnosis and repair.

PREREQUISITES: None

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Major Units of Study:
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CISCO COLLEGE
Abilene Educational Center
717 East Industrial Blvd.
Abilene, Texas 79602
Syllabus,
FOR
Engine Performance Analysis I AUMT 2417.51
Spring Semester 2016
Final May 12, 2016

Instructor Name: Roy Call
Office: Abilene Center, Room 140B
Phone: (325) 794-4425, E-mail roy.call@cisco.edu
Office Hours: Mon. – Thurs. 1:45 p.m. – 2:45 p.m.

Course Description:

Course Description: An introduction to theory, operation, and repair of the engine
dynamics, ignition systems, and fuel delivery systems. Use of basic engine
performance diagnostic equipment.

COURSE OBJECTIVES:

1. Utilizing appropriate safety procedures, the student will demonstrate engine
diagnostic procedures.
2. The student will perform cylinder head, valve train, engine block, and
lubrication.
3. Cooling systems diagnosis and repair.

PREREQUISITES: None

Transferability: Certificate programs do not transfer. If you receive an Associates in
Applied Science it will transfer.
COURSE STRUCTURE:

This course will meet six hours per week each Thursday from 6:30 p.m. until 12:30 a.m. This will include 2 hours lecture and 4 hours lab per week.

REQUIRED TEXT BOOKS AND MATERIALS:

The required text is Modern Automotive Technology 8th Edition publisher The Goodheart-Willcox Company, Inc. And may be purchased at the Cisco College bookstore.

RECOMMENDED OPTIONAL MATERIALS AND LIBRARY RESOURCES:

There are several trade journals and publications available in the classroom. Also, the library has materials available. Each student has access to the computer labs including the Internet. Videos will also be utilized. Mitchell Manuals for Automotive Professionals and Alldata for Windows are furnished in the classroom.

EVALUATION METHODS INCLUDING GRADING:

Evaluation will be based on course objectives outlined above.

Test
Chapter Review Questions,
Daily Assignments, and
And Portfolio 25%
Laboratory 50%
Final Exam 25%
(The lab grade is based on work done in the shop. Example; Time in the lab has to be professional and you must participate in the task at hand. Grades will decrease if any of the following is done. Not participating, horse playing, talking, texting, search web on their phone, leaving lab area without permission. Early departure without permission will result in a F or 0 for the lab grade.)

Semester grades will be based on the following percentage distributions.

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<td>D</td>
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POLICY ON MAKE-UPS AND RE-TEST:

When absences occur due to the reasons stated in the ATTENDANCE POLICY the student is allowed to make up the work missed. It is the student’s responsibility to inquire about work missed and make the arrangements to make up the work.
Any unexcused absences will NOT be made up and any lab or test grades will be a “F” no exceptions.
Early Departure from Lab will have to be Pre-approved. If not, it is considered unexcused and an “F” will be given for your grade.

TESTING AND ACADEMIC DISHONESTY:

You may use your textbooks, student reference book, manuals, or any other approved material to complete your daily assignments and chapter assignments and work with other students in the class as long as you are working on the current assignments. Make up work will be done on your own.

Major test and the final exam must be accomplished from what you have learned. You may not use your books or any other material and you must do your own work. Cheating and or plagiarism will result in your being suspended from the class, and an F or zero on the test, and may result in permanent expulsion from the course.

Parking for auto tech students is in the school parking lots. Only the vehicles to be worked on will be allowed within the area beside the auto shop. Foul language will not be tolerated in the class or the shop. The use of tobacco is forbidden in the buildings on this campus. Only acceptable driving habits by auto tech students will be tolerated on this campus.

Learning Objectives and Methods of Assessment:

As outlined in the learning plan, the student will discuss the effects of cultural diversity found in the automotive industry.
Utilizing appropriate safety procedures, the student will explain engine dynamics, demonstrate safe, professional, and responsible work practices, diagnose and repair ignition systems, diagnose and repair fuel delivery systems, demonstrate the use of service publications. The student will demonstrate the use of computers, computer based systems, and software pertaining to the automotive industry. The student must demonstrate to the instructor using testing equipment and hands on methods on actual automobiles, and must be able to use their verbal and writing skills to repair a car. Each student must take and pass Departmental Exams at the end of each semester to demonstrate mastery in the subject before receiving Certificates.

Technology Integration
Industrial Technology courses involve the use technology in various forms including computerized training software and simulations students are required to complete. All courses involve internet based research assignments. Various courses require at least one research paper using basic computer word processing skills such as Microsoft Word. (Refer to evaluation methods on syllabi to see if research papers are required.) Students will be required to use computerized diagnostic equipment. Students must learn how to use computers looking up auto repair data. Please see your instructor if you require assistance in the use of computers and internet, or if you need special accommodations to aid you in using our computers.

**Attendance Policy:**
Prompt and regular attendance is considered necessary for satisfactory work. It is the responsibility of the instructor to keep an accurate and comprehensive record of attendance. Cisco College recognizes that absences from class may occur due to illness, death or illness in the immediate family, observance of a religious holiday or participation in a Cisco College sponsored activity. The Dean of Instruction must authorize (Absences due to participation in a Cisco College sponsored activity.)
You may be dropped from this class after missing 3 classes.
Three tardies count as one absence. You will be counted tardy if you are not present at the time your class is scheduled to begin. You will be counted absent if you leave the class or lab before the class is scheduled to end. When absences occur due to the reasons stated in the ATTENDANCE POLICY the student is allowed to make up the work missed. It is the student’s responsibility to inquire about work missed and make the arrangements to make up the work.

**Major Units of Study:**
Chapters 39,40,41,42,45,46,49,50

**Course Content:**
College-level courses may include controversial, sensitive, and/or adult material. Students are expected to have the readiness for college-level rigor and content.

**Academic Integrity:**
It is the intent of Cisco College to foster a spirit of complete honesty and a high standard of integrity. The attempt of students to present as their own any work they have not honestly performed is regarded by the faculty and administration as a serious offense and renders the offender liable to serious consequences,
possibly suspension.

**Library Resources:**
The library has materials available for students to use. There are many publications pertaining to the automotive industry in the Cisco College library.

**Conduct:**
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