



**DIET 1010  
COURSE SYLLABUS  
Spring Semester 2017**

Semester: 201714 Spring 2017  
Course Title: Diesel Electrical and Electronic Systems  
Course Number: DIET 1010  
Credit Hours/ Minutes: 7 / 10,500  
Class Location: Room #2139  
Class Meets: 1:00pm-4:30pm (M,T,W,R)  
CRN: 40318

Instructor: Jon Walraven  
Office Hours: Monday-Thursday 7:00am-8:00am  
Office Location: Building 2 Room 2139  
Email Address: jwalraven@southeasterntech.edu  
Phone: 478-289-2218  
Fax Number:

**REQUIRED TEXT: CDX Medium Heavy Truck Program**

**REQUIRED SUPPLIES & SOFTWARE:** Each student must have a black pen, pencil, highlighter, paper and a notebook. Student must have CDX Medium Heavy Truck online program.

**COURSE DESCRIPTION:** This course introduces students to electrical and electronic systems used on medium/heavy duty trucks and heavy equipment. Topics include: general electrical system diagnosis, battery diagnosis and repair, starting system diagnosis and repair, charging system diagnosis and repair, lighting system diagnosis and repair, gauges and warning devices, and an introduction and familiarization with electrical and electronic systems

**MAJOR COURSE COMPETENCIES/COURSE OUTLINE:**

1	General Electrical Systems Diagnosis
2	Battery Diagnosis and Repair
3	Starting System Diagnosis and Repair
4	Charging System Diagnosis and Repair
5	Lighting Systems Diagnosis and Repair
6	Gauges and Warning Devices
7	Related Electrical Systems

**PREREQUISITE(S): None**

**GENERAL EDUCATION CORE COMPETENCIES:** STC has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

**STUDENT REQUIREMENT/ATTENDANCE GUIDELINES:** Class attendance is a very important aspect of a student's success. Being absent from class prevents students from receiving the full benefit of a course and also interrupts the learning process. Southeastern Technical College considers both tardiness and leaving early as types of absenteeism. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is required for student success. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Instructors have the right to give unannounced quizzes/assignments. Students who miss an unannounced quiz or assignment will receive a grade of 0. Students who stop attending class, but do not formally withdraw, may receive a grade of F and face financial aid repercussions in upcoming semesters.

Instructors are responsible for determining whether missed work may be made up and the content and dates for makeup work is at the discretion of the instructor.

Students will not be withdrawn by an instructor for attendance; however, all instructors will keep records of graded assignments and student participation in course activities. The completion dates of these activities will be used to determine a student's last date of attendance in the event a student withdraws, stops attending, or receives an F in a course.

**SPECIAL NEEDS:** : Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact Helen Thomas, 912-538-3126, [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu), to coordinate reasonable accommodations

**SPECIFIC ABSENCES:** Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

**PREGNANCY:** Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please advise me and make appropriate arrangements with the Special Needs Office. Helen Thomas [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu) (912) 538-3126.

**WITHDRAWAL PROCEDURE:** Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% portion of the semester (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of "W" is assigned when the student completes the withdrawal form from the course.

Students who are dropped from courses due to attendance (see your course syllabus for attendance policy) after drop/add until the 65% point of the semester will receive a "W" for the course. Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of 'F' being assigned.

After the 65% portion of the semester, the student will receive a grade for the course. (Please note: A zero will be given for all missed assignments.)

There is no refund for partial reduction of hours. Withdrawals may affect students' eligibility for financial aid for the current semester and in the future, so a student must also speak with a representative of the Financial Aid Office to determine any financial penalties that may be assessed due to the withdrawal. All grades, including grades of 'W', will count in attempted hour calculations for the purpose of Financial Aid.

**Remember** - Informing your instructor that you will not return to his/her course does not satisfy the approved withdrawal procedure outlined above.

**MAKEUP GUIDELINES (Tests, quizzes, homework, projects, etc....):** \_Make-up exams/lab assignments will only be given when the student provides a legitimate excuse for missing the exam/lab

assignment on the scheduled date. If the student does not make contact by email or phone with the instructor within 2 days of the scheduled exam/lab assignment date, then a grade of 0 will be given for the exam/lab assignment. Also, students who do not take the exam/lab assignment on the scheduled date will not be awarded any bonus or extra credit points that may be given by the instructor on the exam/lab assignment. Makeups are not allowed for unannounced quizzes and assignments.

**ACADEMIC DISHONESTY POLICY:** The STC Academic Dishonesty Policy states *All forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline.* The policy can also be found in the *STC Catalog and Student Handbook.*

**Procedure for Academic Misconduct**

The procedure for dealing with academic misconduct and dishonesty is as follows:

**--First Offense--**

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

**--Second Offense--**

Student is given a grade of "WF" for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.

**--Third Offense--**

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

**STATEMENT OF NON-DISCRIMINATION:** Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, disabled veteran, veteran of Vietnam Era or citizenship status, (except in those special circumstances permitted or mandated by law). This school is in compliance with Title VI of the Civil Rights Act of 1964, which prohibits discrimination on the basis of race, color, or national origin; with the provisions of Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of gender; with the provisions of Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap; and with the American with Disabilities Act (ADA).

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

<b>ADA/Section 504 - Equity- Title IX (Students) - OCR Compliance Officer</b>	<b>Title VI - Title IX (Employees) - EEOC Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 108 Phone: 912-538-3126 <a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a>	Blythe Wilcox, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3147 <a href="mailto:bwilcox@southeasterntech.edu">bwilcox@southeasterntech.edu</a>

**GRIEVANCE PROCEDURES:** Grievance procedures can be found in the Catalog and Handbook located on STC's website.

**ACCESS TO TECHNOLOGY:** Students can now access [Blackboard](#), Remote Lab Access, Student Email, Library Databases (Galileo), and Banner Web via the my STC portal or by clicking the Current Students link on the STC website at [www.southeasterntech.edu](http://www.southeasterntech.edu).

**GRADING POLICY**

**Shop/Lab Grade 50%**

**Chapter Test 30%**

**Final Exam 20%**

**GRADING  
SCALE**

A: 90-100

B: 80-89

C: 70-79

D: 60-69

F: 0-59

**TCSG GUARANTEE/WARRANTY**

**STATEMENT:** *The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.*

**DIET 1010 Diesel Electrical and Electronic Systems  
FALL SEMESTER 2016 LESSON PLAN**

<b>Assign-ments</b>	<b>Chapter Reading</b>	<b>Content</b>	<b>Assignments &amp; Tests</b>	<b>Comp Area</b>
1	Chapter 6,7,8,9, 10 and 16	General Electrical systems Diagnosis	Complete Shop/Lab Task Sheets As assigned by instructor (task sheets are located in CDX online program) Complete Chapters 6,7,8,9,10 and 16 Test Instructor will assign due dates for test	1
2	Chapter 11-13	Battery Diagnosis and repair	Complete Shop/Lab Task Sheets As assigned by instructor (task sheets are located in CDX online program) Complete Chapters 11,12 and 13 Test Instructor will assign due dates for test	2
3	Chapter 14	Starting System Diagnosis and Repair	Complete Shop/Lab Task Sheets As assigned by instructor (task sheets are located in CDX online program) Complete Chapter 14 Test Instructor will assign due dates for test	3
4	Chapter 15	Charging System Diagnosis and Repair	Complete Shop/Lab Task Sheets As assigned by instructor (task sheets are located in CDX online program) Complete Chapter 15 Test Instructor will assign due dates for test	4
5	Chapter 17	Lighting Systems Diagnosis and Repair	Complete Shop/Lab Task Sheets As assigned by instructor (task sheets are located in CDX online program) Complete Chapters 17 Test Instructor will assign due dates for test	5
6	Chapter 18	Gauges and Warning Devices	Complete Shop/Lab Task Sheets As assigned by instructor (task sheets are located in CDX online program) Complete Chapter 18 Test Instructor will assign due dates for test	8
7	Chapter 19,20,21 22	Related Electrical Systems	Complete Shop/Lab Task Sheets As assigned by instructor (task sheets are located in CDX online program)	

			<b>Complete Chapters 19,20,21 and 22 Test Instructor will assign due dates for test</b>	
8		Final Exam	Complete Final Exam	

**Competency Areas:** DIET 1010

1	General Electrical Systems Diagnosis
2	Battery Diagnosis and Repair
3	Starting System Diagnosis and Repair
4	Charging System Diagnosis and Repair
5	Lighting Systems Diagnosis and Repair
6	Gauges and Warning Devices
7	Related Electrical Systems

**\*\*General Core Educational Competencies**

- a) The ability to utilize standard written English.
- b) The ability to solve practical mathematical problems.
- c) The ability to read, analyze, and interpret information.
- d) The ability to utilize basic computer skills.

- **There could be assignments added to the list by the instructor. If any assignment are added to the lesson plan, the instructor will notify the class during the scheduled class time.**
- **Chapter Test and Final Exam are located in Black Board LMS.**
- **Check Calendar/Announcements in Black Board for assignment due dates/times.**
- **Reading assignments should be completed prior to coming to class each day in order to be prepared for the class lecture.**
- **If you have any questions about this lesson plan or the assignments, please let instructor Know.**
- **Task Sheets and shop lab times will be assigned by instructor. Follow directions given by instructor(s)/staff.**
- **Follow all instructions given by Instructor or College Staff.**
- **Follow all Safety Rules and Regulations.**
- **Do Not Drive Trucks or Operate Equipment without Instructor/Staff Supervision.**
- **Safety Glasses must be in use at all times in Shop/Lab area.**
- **No students allowed in Shop/Lab without instructor or lab assistant present.**