



**DIET 2001**  
**Heavy Equipment Hydraulics**

**COURSE SYLLABUS**  
**Fall Semester 2022 (202312)**  
**CRN- 20119**

**COURSE INFORMATION**

Credit Hours/Minutes: 10500/7

Campus/Class Location: Swainsboro Campus / Room 2139

Class Meets: Monday, Tuesday, Wednesday, Thursday 12:30 PM –3:10PM

Course Reference Number (CRN): 20119

**INSTRUCTOR CONTACT INFORMATION**

Full Time Instructor: Jeffrey Wyatt

Office Hours: Monday-Thursday (MTWR) 7:00-8:15 AM, 4:00-5:15 PM

Office Location: Building 2 Room 2139

Email Address: [Jeffrey Wyatt \(jwyatt@southeasterntech.edu\)](mailto:Jeffrey.Wyatt@southeasterntech.edu)

Phone: 478-289-2218

**SOUTHEASTERN TECHNICAL COLLEGE'S (STC) CATALOG AND HANDBOOK**

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's [Catalog and Handbook \(https://catalog.southeasterntech.edu/\)](https://catalog.southeasterntech.edu/).

**REQUIRED TEXT**

CDX Mobile Heavy Equipment 12 Month voucher, ISBN 9781284178470

**REQUIRED SUPPLIES & SOFTWARE**

Notebook for notes, pens, pencils, cloth mask, and safety glasses, work gloves, nitrile gloves, safety toe boots

**Students should not share login credentials with others and should change passwords periodically to maintain security.**

## **COURSE DESCRIPTION**

This course introduces students to diesel electrical and electronic systems used on medium/heavy duty trucks and heavy equipment, topics include: general electrical systems diagnosis: battery diagnosis and repair; starting system diagnosis and repair; and basic lighting diagnosis and repair.

## **MAJOR COURSE COMPETENCIES / OUTLINE**

1. General Electrical Systems Diagnosis Text
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) COREQUISITE**

DIET 1000 – introduction to Diesel Technology, Tools, and Safety

## **GENERAL EDUCATION CORE COMPETENCIES**

Southeastern Technical College 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 REQUIREMENTS**

Safety Glasses required any time students are in the shop.

Long Pants, **(No Shorts are allowed)**

Safety Toe Boots strongly recommended. **(No open toe or open heel shoes are allowed)**

Tee Shirts or Button up shirts are allowed, **(No tank tops, or cut off shirts allowed)**

*STC Diesel Tee shirts are available at the book store 1 required.*

## **COVID-19 MASK REQUIREMENT**

Regardless of vaccination status, masks or face coverings must be worn at all times while in a classroom or lab of Southeastern Technical College. This measure is being implemented to reduce COVID-19 related health risks for everyone engaged in the educational process. Masks or face coverings must be worn over the nose and mouth, in accordance with the Centers for Disease Control and Prevention (CDC). A student's refusal to wear a mask or face covering will be considered a classroom disruption and the student may be asked to leave campus and/or receive further discipline.

## **COVID-19 SIGNS AND SYMPTOMS**

We encourage individuals to monitor for the signs and symptoms of COVID-19 prior to coming on campus.

If you have experienced the symptoms listed below or have a body temperature 100.4°F or higher, we encourage you to self-quarantine at home and contact a primary care physician's office, local urgent care

facility, or health department for further direction. Please notify your instructor(s) by email and do not come on campus for any reason.

<b>COVID-19 Key Symptoms</b>
Fever or felt feverish
Chills
Shortness of breath or difficulty breathing (not attributed to any other health condition)
Cough: new or worsening, not attributed to another health condition
Fatigue
Muscle or body aches
Headache
New loss of taste or smell
Sore throat (not attributed to any other health condition)
Congestion or runny nose (not attributed to any other health condition)
Nausea or vomiting
Diarrhea
<b>In the past 14 days, if you:</b>
Have had close contact with or are caring for an individual diagnosed with COVID-19 at home (not in healthcare setting), please do not come on campus and contact your instructor (s).

### **COVID-19 SELF-REPORTING REQUIREMENT**

Students, regardless of vaccination status, who test positive for COVID-19 or who have been exposed to a COVID-19 positive person, are required to self-report using <https://www.southeasterntech.edu/covid-19/>. Report all positive cases of COVID-19 to your instructor and [Stephannie Waters](#), Exposure Control Coordinator, [swaters@southeasterntech.edu](mailto:swaters@southeasterntech.edu), 912-538-3195.

### **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.

## **STUDENTS WITH DISABILITIES**

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact the appropriate campus coordinator to request services.

Swainsboro Campus: [Daphne Scott \(dscott@southeasterntech.edu\)](mailto:dscott@southeasterntech.edu) 478-289-2274, Building 1, Room 1210.

Vidalia Campus: [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165.

## **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 make arrangements with the appropriate campus coordinator.

Swainsboro Campus: [Daphne Scott \(dscott@southeasterntech.edu\)](mailto:dscott@southeasterntech.edu) 478-289-2274, Building 1, Room 1210.

Vidalia Campus: [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165.

It is strongly encouraged that requests for consideration be made **PRIOR** to delivery and early enough in the pregnancy to ensure that all the required documentation is secured before the absence occurs. Requests made after delivery MAY NOT be accommodated. The coordinator will contact your instructor to discuss accommodations when all required documentation has been received. The instructor will then discuss a plan with you to make up missed assignments.

## **WITHDRAWAL PROCEDURE**

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% point of the term in which student is enrolled (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" (Withdrawn) is assigned for the course(s) when the student completes the withdrawal form.

Important – Student-initiated withdrawals are not allowed after the 65% point. After the 65% point of the term in which the student is enrolled, the student has earned the right to a letter grade and will receive a grade for the course. Please note: Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of "F" (Failing 0-59) being assigned.

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

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. A grade of "W" will count in attempted hour calculations for the purpose of Financial Aid.

## **EXIT EXAM**

Exit Exam not required to pass class.

## **WORK ETHICS**

Taught in DIET 1000 only.

## **MAKEUP GUIDELINES (TESTS, QUIZZES, HOMEWORK, PROJECTS, ETC.)**

Any assignment can be made up with acceptable excuse approved by the instructor; any assignment not made up will result in the student receiving a zero.

## **ACADEMIC DISHONESTY POLICY**

The Southeastern Technical College Academic Dishonesty Policy states that 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 Southeastern Technical College Catalog and Handbook.

## **PROCEDURE FOR ACADEMIC MISCONDUCT**

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

### **1. 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.

### **2. Second Offense**

Student is given a grade of "WF" (Withdrawn Failing) 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.

### **3. 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 third 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**

As set forth in the student catalog, Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, veteran status, or citizenship status (except in those special circumstances permitted or mandated by law).

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

<b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b>	<b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus	Lanie Jonas, Director of Human Resources Vidalia Campus

<b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b>	<b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b>
3001 East 1 <sup>st</sup> Street, Vidalia Office 165 Phone: 912-538-3126 Email: <a href="mailto:hthomas@southeasterntech.edu">Helen Thomas</a> <a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a>	3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3230 Email: <a href="mailto:ljonas@southeasterntech.edu">Lanie Jonas</a> <a href="mailto:ljonas@southeasterntech.edu">ljonas@southeasterntech.edu</a>

### ACCESSIBILITY STATEMENT

Southeastern Technical College is committed to making course content accessible to individuals to comply with the requirements of Section 508 of the Rehabilitation Act of Americans with Disabilities Act (ADA). If you find a problem that prevents access, please contact the course instructor.

### GRIEVANCE PROCEDURES

Grievance procedures can be found in the Catalog and Handbook located on Southeastern Technical College’s website.

### ACCESS TO TECHNOLOGY

Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the [Southeastern Technical College \(STC\) Website \(www.southeasterntech.edu\)](http://www.southeasterntech.edu).

### TECHNICAL COLLEGE SYSTEM OF GEORGIA (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.*

### GRADING POLICY

Assessment/Assignment	Percentage
Chapter Test	30%
Final Exam	20%
Shop Lab	50%

### GRADING SCALE

Letter Grade	Range
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

DIET 2001  
CRN-20119

Date/Week	Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
Week One	Blackboard no show requirements.  Login into JCB  Login in to Electude  Login into Fundamentals of Mobile Heavy Equipment (CDX)	Log in to Blackboard and do the four no show requirements listed in the announcements to secure your seat in the course. These requirements include a Student Introduction Discussion Board.  Log in to Electude in Blackboard on left side of screen with the instant access code purchased from the library.  Make sure you can get into JCB learning module.  Make sure you can get into CDX Mobile Heavy Equipment and complete FMHE 03 Pretest and start on chapter 22	Due on 08/17/22 By Midnight – Day 3. No show students will be turned in to the registrar by early Monday morning.  Task Sheets will be assigned based on Lab/Shop Work	2,6 a,b,c
Week Two	Login to JCB  Login into Fundamentals of Mobile Heavy Equipment (CDX)	Complete JCB mobile tablet training  Complete chapter 22 end of chapter questions and the test and start on chapter 23	All Assignments due by 08/24/2022 by midnight.  Task Sheets will be assigned based on Lab/Shop Work	1,4,6, a,b,c
Week Three	Login into Fundamentals of Mobile Heavy Equipment (CDX)	Complete chapter 23 end of chapter questions and test and start on chapter 24	All Assignments due 08/31/2022 by Midnight  Task Sheets will be assigned based on Lab/Shop Work	1,2,4, a,b,c
Week Four Labor Day <b>09/05/2022</b> <b>No Class</b>	Login into Fundamentals of Mobile Heavy Equipment (CDX)  Login into JCB	Complete chapter 24 end of chapter questions and test and start on chapter 25  Login into JCB and complete JCB intro part 1 and part 2	All Assignments do on 09/08/2022  Task Sheets will be assigned based on Lab/Shop Work	1,2,4 a,b,c

<b>Date/Week</b>	<b>Chapter/Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
Week Five	Login into Fundamentals of Mobile Heavy Equipment (CDX)  Login into JCB	Complete chapter 25 end of chapter questions and test and start on chapter 26  Complete JCB base hydraulics	All Assignments due on 09/15/2022  Task Sheets will be assigned based on Lab/Shop Work	1,3,5,6,7 a,b,c
Week Six	Login into Fundamentals of Mobile Heavy Equipment (CDX)  Login into JCB	Complete chapter 26 end of chapter questions and test and start on chapter 27  Complete base hydraulics part 2	All Assignments due on 09/22/2022  Task Sheets will be assigned based on Lab/Shop Work	1,4,5,7 a,b,c
Week Seven	Login into Fundamentals of Mobile Heavy Equipment (CDX)  Login into JCB	Complete chapter 27 end of chapter questions and test and start on chapter 28  Complete base hydraulics part 3	All Assignments due on 09/29/2022  Task Sheets will be assigned based on Lab/Shop Work	3,5,7 a,b,c
Week Eight <b><i>Student Study Day. No in Person Class 10/06/2022</i></b>	Login into Fundamentals of Mobile Heavy Equipment (CDX)  Login into JCB	Complete chapter 28 end of chapter questions and test and start on chapter 29  Complete base hydraulics part 4	Due on 10/05/2022 By Midnight  Task Sheets will be assigned based on Lab/Shop Work	2,3,4 b,c
Week Nine	Login into Fundamentals of Mobile Heavy Equipment (CDX)  Login into JCB	Complete chapter 29 end of chapter questions and test and start on chapter 30  Complete base hydraulics part 5	Due on 10/12/2022 By Midnight  Task Sheets will be assigned based on Lab/Shop Work	3,4,5,7 a,b,c



<b>Date/Week</b>	<b>Chapter/Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
Week Ten	Login into Fundamentals of Mobile Heavy Equipment (CDX)  Login into JCB	Complete chapter 30 end of chapter questions and test and start on chapter 31  Complete bas hydraulics part 6	Due on 10/19/2022 By Midnight  Task Sheets will be assigned based on Lab/Shop Work	1,2,4 a,b,c
Week Eleven	Login into Fundamentals of Mobile Heavy Equipment (CDX)	Complete chapter 31 end of chapter questions and test and start on chapter 32	Due on 10/26/2022 By Midnight  Task Sheets will be assigned based on Lab/Shop Work	3,6 a,c
Week Twelve	Login into Fundamentals of Mobile Heavy Equipment (CDX)	Complete chapter 32 end of chapter questions and test and start on chapter 33	Due on 11/02/2022 By Midnight  Task Sheets will be assigned based on Lab/Shop Work	2,3,4,5,6 a,b,c
Week Thirteen	Login into Fundamentals of Mobile Heavy Equipment (CDX)	Complete chapter 33 end of chapter questions and test and start on chapter 34	Due on 11/19/2022 By Midnight  Task Sheets will be assigned based on Lab/Shop Work	3 a,b
Week Fourteen	Login into Fundamentals of Mobile Heavy Equipment (CDX)	Complete chapter 34 end of chapter questions and test and complete chapter 35 with the end of chapter questions and test	Due on 11/16/2022  Task Sheets will be assigned based on Lab/Shop Work	1,2,4 a,b,c
Week Fifteen <b>Thanksgiving Break</b>	<b>11/21/2022-11/25/2022 No Class</b>	<b>No Class</b>	<b>No class</b>	
Week Sixteen	Login into Fundamentals of Mobile Heavy Equipment (CDX)	Start and complete the final in CDX	All Due by 11/30/2022 By the end of class.  Task Sheets will be assigned based on Lab/Shop Work	1,2,3,4,5 a,b,c
Week Seventeen	Final Exam	Final Exams Mandatory Shop Clean Up	Due on 12/07/2022 At the end of class.	1,2,3,4,5,6,7 a,b,c

## **MAJOR COURSE COMPETENCIES / OUTLINE**

1. General Electrical Systems Diagnosis Text
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.

