



TENTATIVE—SUBJECT TO CHANGE
IDFC 1011 Direct Current 1
COURSE SYLLABUS
Spring Semester 2023 (202314)
On Campus Course With 50% or Less of Instruction Online

COURSE INFORMATION

Credit Hours/Minutes: 3 /3000

Campus/Class Location: Swainsboro Campus, Building 6, Lab 6102

Class Meets: 45% Hybrid/ 55% F2F, 8:00AM-12:00PM Tuesday; January 9, 2023-March 1, 2023

Course Reference Number (CRN): 40201

Preferred Method of Contact: STC Email

INSTRUCTOR CONTACT INFORMATION

Adjunct Instructor's Name: Glen Stone

Adjunct College Email Address: [Glen Stone \(gstone@southeasterntech.edu\)](mailto:gstone@southeasterntech.edu)

Campus/Office Location: No office on campus

Office Hours: N/A (Not Applicable)

Phone: N/A Fax Number: 912-538-3156

Full-Time Instructor's Name: Tony Criswell

Email Address: [Tony Criswell \(tcriswell@southeasterntech.edu\)](mailto:tcriswell@southeasterntech.edu)

Campus/Office Location:

Swainsboro: Building 6 Lab 6102

Vidalia: Main- Lab 429

Office Hours:

Swainsboro Campus: Monday and Wednesday 3:00PM- 3:45PM

Vidalia Campus: Tuesday and Thursday 1:30PM- 4:00PM

Phone: 478-289-2235

Fax Number: 478-289-2276

Tutoring Hours: Available upon request

This course requires students to complete a portion of the required contact hours by attending classes on campus while completing the remaining portion online as shown on the Lesson Plan.

SOUTHEASTERN TECHNICAL COLLEGE (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

Electricity 11th edition, Goodheart-Wilcox Publishers. ISBN: 978-1-63563-472-3

REQUIRED SUPPLIES & SOFTWARE

Safety Glasses

Access to a computer and web browser.

Note: Although students can use their smart phones and tablets to access their online course(s), exams, discussions, assignments, and other graded activities should be performed on a personal computer. Neither Blackboard nor Georgia Virtual Technical Connection (GVTC) provide technical support for issues relating to the use of a smart phone or tablet so students are advised to not rely on these devices to take an online course.

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

COURSE DESCRIPTION

Introduces direct current (DC) concepts and applications

MAJOR COURSE COMPETENCIES

Electrical principles and laws; batteries; DC test equipment; series, parallel, and simple combination circuits; and laboratory procedures and safety practices.

PREREQUISITE(S)

None

COURSE OUTLINE

1. Electrical Principles and Laws.
2. Batteries
3. DC Test Equipment
4. Series, Parallel, and Simple Combination Circuits

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 REQUIREMENTS

Class attendance is a very important aspect of a student's success in this course. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is expected. Students are expected to complete all work required by the instructor. Unannounced quizzes/assignments may be given. Students that miss an unannounced quiz or assignment will receive a grade of 0. Students are expected to complete all work shown on the attached assignment sheet. Students are also expected to complete all tests and comprehensive problems on the dates specified on the attached calendar. Students are responsible for policies and procedures included in the *STC Catalog*. **Electrical program students must earn a minimum grade of C in all courses to graduate.**

COVID-19 MASK REQUIREMENT

Regardless of vaccination status, students are highly encouraged to wear masks or face coverings while in a classroom or lab at Southeastern Technical College. Masking may be implemented in some program areas (i.e. Health Sciences and Cosmetology) where students, faculty, and clients are in close proximity and social distancing cannot be maintained. 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).

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.

COVID-19 Key Symptoms
Fever or felt feverish
Chills
Shortness of breath or difficulty breathing (not attributed to any other 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
In the past 14 days, if you:
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](mailto:swaters@southeasterntech.edu), Exposure Control Coordinator, swaters@southeasterntech.edu, 912-538-3195.

ON CAMPUS (CA) 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" (Failing 0-59) 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 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: [Emily Jarrell \(ejarrell@southeasterntech.edu\)](mailto:ejarrell@southeasterntech.edu), 478-289-2259, 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: [Emily Jarrell \(ejarrell@southeasterntech.edu\)](mailto:ejarrell@southeasterntech.edu), 478-289-2259, 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 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.

WORK ETHICS

The Technical College System of Georgia instructs and evaluates students on work ethics in all programs of study. Ten work ethics traits have been identified and defined as essential for student success: appearance, attendance, attitude, character, communication, cooperation, organizational skills, productivity, respect, and

teamwork. Students will be required to take a work ethics exam as marked in the lesson plan. A grade of 70 or better is required to complete the work ethics requirements for this class. The Work Ethics Discussions count as 5% of your Final Grade

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

Extenuating circumstances are determined at the instructor's discretion. Unless otherwise scheduled with the instructor, it is expected that the test will be taken the next day, scheduled outside of regular class time. Failure to follow this procedure will result in a grade of zero.

Assignment due dates are listed on the attached lesson schedule. Students are expected to have the assignment completed at the beginning of class on the date that it is due. It is within the instructor's discretion to accept or reject late assignments. Any late assignments accepted will be subject to a ten-point penalty each day the assignment is late. After three class meetings, no late assignments will be accepted; a zero will be recorded.

Unannounced quizzes are subject to be given on any day. A grade of zero will be assigned for any quizzes missed. There will be no makeup of quizzes. Any zeros recorded will be included in the final score calculation

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:

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" 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 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

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:

American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer	Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 st Street, Vidalia Office 165 Phone: 912-538-3126 Email: Helen Thomas hthomas@southeasterntech.edu	Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1 st Street, Vidalia Office 138B Phone: 912-538-3230 Email: Lanie Jonas ljonas@southeasterntech.edu

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's 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
Work Ethics Discussions	5%
Chapter Review Questions	5%
Test	35%
Labs	55%
Total	100%

GRADING SCALE

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

DISCUSSION BOARD RUBRIC

# of discussion posts	# of discussion replies	Grade	Due Date, Length, Grammar and Spelling Requirements
1	1	100	To receive full credit, students must: <ul style="list-style-type: none"> • Make their initial discussion board post to their chosen discussion board question • Reply to at least one other student’s post

**IDFC 1011 Direct Current 1
Spring Semester 2023 Lesson Plan**

Date/ Week	Lesson	Assignments & Tests Due Dates	Competency Area
January 9		<ul style="list-style-type: none"> • Spring Semester A Begins 	
January 9-16	Introduction	<ul style="list-style-type: none"> • Read the IDFC 1011 Course Syllabus/Lesson Plan. • Read all of the items under the "Getting Started" link. • Complete the COVID 19 Presentation and Acknowledgement by October 17, 12:00PM 	
January 17-23	Module 1- Electrons And Volts, Amperes, and Ohms	<ul style="list-style-type: none"> • Watch Difference between AC and DC Current Explained Video in Module 1- Electrons And Volts, Amperes, and Ohms • View Chapter 2 Electrons PowerPoint in chapter 2 in Module 1 Electrons And Volts, Amperes, and Ohms • Submit Chapter 2 Review Questions • Complete Chapter 2 Test in Module 1- Electrons And Volts, Amperes, and Ohms • Watch What are Volts, Ohms & Amps video in Chapter 3 folder in Module 1- Electrons And Volts, Amperes, and Ohms • View Chapter 3 Volts, Amperes, Ohms PowerPoint in chapter 3 in Module 2- Volts, Amperes, Ohms, Watts • Submit Chapter 3 Review Questions • Complete Chapter 3 Test in Chapter 3 folder in Module 1- Electrons And Volts, Amperes, and Ohms • Complete Appearance/Character Discussion Board in Module 1- Electrons And Volts, Amperes, and Ohms 	1,2,5 A, B, C
January 24-30	Module 2- Watts And Ohm's Law	<ul style="list-style-type: none"> • Watch What are Volts, Amps, & Watts Explained video in Chapter 6 folder in Module 2-, Watts And Ohm's Law • View Chapter 6 Power PowerPoint in chapter 6 in Module 2-, Watts And Ohm's Law • Submit Chapter 6 Review Questions in Module 2-, Watts And Ohm's Law • Complete Chapter 6 Test in Chapter 6 folder in Module 2-, Watts And Ohm's Law • Watch Ohm's Law Explained video in Module 2- Ohm's Law • View Chapter 5 Ohms Law PowerPoint in chapter 5 in Module 2-, Watts And Ohm's Law • Submit Chapter 5 Review Questions in Module 2- Watts And Ohm's Law • Complete Chapter 5 Test in Module 2-Watts And Ohm's Law • Complete Attendance/Teamwork Discussion Board in Module 2-Watts And Ohm's Law 	1,2,4,5 A, B, C
January 31- February 6	Module 3- Meters	<ul style="list-style-type: none"> • Watch How to Use a Multimeter for Beginners video in Module 3-Meters • View Chapter 4 Meters PowerPoint in Module 3-Meters • Submit Chapter 4 Review Questions in Module 3-Meters • Complete Chapter 4 Test in Module 3- Meters • Complete Communication/Cooperation Discussion Board in Module 3-Meters 	3,5 A, B, C
February 2	Mid-Term	<ul style="list-style-type: none"> • There is no Mid-Term exam. This is letting you know that the Minimester A is half over 	

Date/ Week	Lesson	Assignments & Tests Due Dates	Competency Area
February 7-13	Module 4- Series and Parallel Circuits	<ul style="list-style-type: none"> • Watch DC Series Circuits Explained video in Chapter 7 folder in Module 4- Series and Parallel Circuits • View Chapter 7 Series Circuit PowerPoint in chapter 7 in Module 4- Series and Parallel Circuits • Submit Chapter 7 Review Questions • Complete Chapter 7 Test in Chapter 7 folder in Module 4- Series and Parallel Circuits • Watch DC Parallel Circuits Explained video in Chapter 8 folder in Module 4- Series and Parallel Circuits • View Chapter 8 Parallel Circuit PowerPoint in chapter 8 in Module 4- Series and Parallel Circuits • Submit Chapter 8 Review Questions • Complete Chapter 8 Test in Chapter 8 folder in Module 4- Series and Parallel Circuits • Complete Organization/Productivity Discussion Board in Module 4- Series and Parallel Circuits 	1,4,5 A, B, C
February 13	65% Point	<ul style="list-style-type: none"> • Last day for students to formally withdraw from Term A classes without academic penalty 	
February 14-20	Module 5- Series-Parallel Circuits	<ul style="list-style-type: none"> • Watch RSD Academy Lesson 6: Series-Parallel Circuits video in Module 5- Series-Parallel Circuits • View Chapter 9 Series-Parallel Circuit PowerPoint in Module 5- Series and Parallel Circuits • Submit Chapter 9 Review Questions in Module 5- Series and Parallel Circuits • Complete Chapter 9 Test in Module 5- Series-Parallel Circuits • Complete Respect/Attitude Discussion Board in Module 5- Series and Parallel Circuits 	1,4,5 A, B, C
February 21-28	Module 6- Sources of Electricity- Cell and Batteries	<ul style="list-style-type: none"> • Watch How Batteries Work in Module 6- Sources of Electricity- Cell and Batteries Circuits • View Chapter 10 Sources of Electricity PowerPoint in Module 6- Sources of Electricity- Cell and Batteries • Submit Chapter 10 Review Questions in Module 6- Sources of Electricity-Cell and Batteries • Complete Chapter 10 Test in Module 6- Sources of Electricity- Cell and Batteries 	2,5 A, B, C
March 1		<ul style="list-style-type: none"> • Spring A-Semester Ends 	

Competency Areas:

1. Electrical Principles and Laws
2. Batteries
3. DC Test Equipment
4. Series. Parallel, and Simple Combination Circuits
5. Laboratory procedures and Safety Practices

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