



## ELCR-2150 Fluid Power

### COURSE SYLLABUS

Fall Semester 2022 (202312)

**On Campus Course With 50% or Less of Instruction Online**

#### COURSE INFORMATION

Credit Hours/Minutes: 2 Hours / 2250 Minutes

Class Location: RMTTC, Room 827, Vidalia Campus

Class Meets: 60% Face-to-Face on Tuesday and Thursday (TR), 1:00 PM to 1:45 PM

Course Reference Number (CRN): 20237

#### INSTRUCTOR CONTACT INFORMATION

Instructor Name: William (Chip) Greene

Office Location: Vidalia Campus / Building B, Room 822

Office Hours: Monday thru Thursday 7:30 to 9:15 AM, Monday and Wednesday 1:00 to 3:00 PM

Email Address: [wgreene@southeasterntech.edu](mailto:wgreene@southeasterntech.edu)

Phone: (912) 538-3102

Fax Number: (912) 538-3106

Preferred Method of Contact: Email or Text to Instructor

**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'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

*Fluid Power Learning Activity Packets*  
by AMATROL, # 11101-BA  
(10 volume set)



#### REQUIRED SUPPLIES & SOFTWARE

Engineering / Scientific Calculator. For the required videos, see your instructor.

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**

Provides an overview of fluid power operation as applied to industrial electronics. Emphasis is placed on the interfacing of electronic and fluidic systems. Topics include: safety, fluid dynamics, hydraulics, pneumatics, air logic, and electrical interfacing.

**PREREQUISITE(S)**

Program Admission

**MAJOR COURSE COMPETENCIES / COURSE OUTLINE**

1. Safety
2. Fluid Dynamics
3. Hydraulic Pressure and Flow
4. Pneumatics
5. Air Logic
6. Electrical Interfacing

**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**

Students are expected to complete all tests, comprehensive problems and assignments by the due dates. A ten point penalty will be assessed for each day an item is late. Tests are made available for several days; therefore, there are no makeup tests. Students who fail to complete an assignment will be assigned a grade of zero. Students are responsible for checking e-mails and Blackboard announcements DAILY.

**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.

<b>COVID-19 Key Symptoms</b>
Fever or felt feverish
Chills
Shortness of breath or difficulty breathing (not attributed to any other health condition)
Fatigue
Muscle or body aches
Headache

<b>COVID-19 Key Symptoms</b>
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" (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 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.

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

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

### **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.

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

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

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.

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

Students are required to take all tests and complete all assignments scheduled during the semester. Failure to take Tests/Exam(s) and complete assignments will result in a grade of zero. There will be no makeup of assignments or EXAMS. If Internet or browser failure occurs, contact instructor immediately. A decision will be made at that time if the exam will be reset. Instructor reserves the right to deduct points from the exam scores for exceeding the scheduled time limit on the exam and/or requiring student to come to campus to take the final exam. Note: If student notifies instructor about exam problems because of technical issues after the due date or on the last day of the semester, the student will NOT be allowed to make-up the exam. No exceptions! Assignments must be turned in on the assigned date and will not be accepted late, a grade of zero will be given. ALL Assignments are due according to the lesson plan.

### **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 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>	Lanie Jonas, Director of Human Resources Vidalia Campus 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
Self-Review Questions	15%
LAP Exams	25%
Laboratory Skills	35%
Final Exam	25%

**GRADING SCALE**

Letter Grade	Range
A	89.5 – 100
B	79.5 – 89.4
C	69.5 – 79.4
D	59.5 – 69.4
F	0 – 59.4

**DISCLAIMER STATEMENTS**

- (1) Instructor reserves the right to change the syllabus and/or lesson plan as necessary.
- (2) The official copy of the syllabus is located inside the student's online course shell or will be given to them during face to face class time the first day of the semester. The syllabus displayed in advance of the semester in a location other than the course you are enrolled in is for planning purposes only.

**ELCR-2150 Fluid Power**  
**Fall Semester 2022 (202312) Lesson Plan**  
**On Campus Course With 50% or Less of Instruction Online**

**WEEK 1 (AUG IS AUGUST)**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Aug 15</b>		<b>ONLINE:</b> Blackboard (LAP is Learning Activity Packet)	Read <b>Announcements</b> Review <b>Course Information</b> Complete <b>Getting Started</b> Items	
<b>Aug 16</b>	LAP 1	<b>IN CLASS/LAB:</b> LAP 1 – Hydraulic Power Systems	Review OBJECTIVE 1 <b>Activity 1 – VIDEO NOT AVAILABLE</b> Review OBJECTIVE 2 <b>Complete ACTIVITY 2</b> Review OBJECTIVE 3 <b>Complete SKILL 1</b>	1,2,3, a,b,c
<b>Aug 17</b>	LAP 1	<b>ONLINE:</b> Blackboard	<b>Do SEGMENT 1 Self-Review Questions</b> Review OBJECTIVE 4	2,3, b,c
<b>Aug 18</b>	LAP 1	<b>IN CLASS/LAB:</b> LAP 1 – Hydraulic Power Systems	<b>Complete ACTIVITY 3</b> <b>Complete ACTIVITY 4</b> <b>Complete SKILL 2</b> <b>Complete SKILL 3</b>	1,2,3, a,b,c

**WEEK 2**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Aug 22</b>	LAP 1	<b>ONLINE:</b> Blackboard	<b>Do SEGMENT 2 Self-Review Questions</b> Review OBJECTIVE 5 Review OBJECTIVE 6	2,3, b,c
<b>Aug 23</b>	LAP 1	<b>IN CLASS/LAB:</b> LAP 1 – Hydraulic Power Systems	<b>Complete SKILL 4</b> Review OBJECTIVE 7 <b>Complete SKILL 5</b> Review OBJECTIVE 8	1,2,3, a,b,c
<b>Aug 24</b>	LAP 1	<b>ONLINE:</b> Blackboard	<b>Do SEGMENT 3 Self-Review Questions</b> Review OBJECTIVE 9 Review OBJECTIVE 10	2,3, b,c
<b>Aug 25</b>	LAP 1	<b>IN CLASS/LAB:</b> LAP 1 – Hydraulic Power Systems	<b>Complete ACTIVITY 5</b> Review OBJECTIVE 11 Review OBJECTIVE 12 <b>Complete ACTIVITY 6</b> <b>Complete SKILL 6</b> <b>Complete SKILL 7</b> <b>Do SEGMENT 4 Self-Review Questions</b> <b>Do LAP 1 Exam</b>	1,2,3, a,b,c

**WEEK 3 (SEPT IS SEPTEMBER)**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Aug 29</b>	LAP 2	<b>ONLINE:</b> Blackboard	Review OBJECTIVE 1 Review OBJECTIVE 2	1,2,3, c
<b>Aug 30</b>	LAP 2	<b>IN CLASS/LAB:</b> LAP 2 – Basic Hydraulic Circuits	<b>Complete SKILL 1</b> <b>ACTIVITY 1 – DO NOT DO THIS ONE</b> Review OBJECTIVE 3 <b>Complete ACTIVITY 2</b> Review OBJECTIVE 4	1,2,3, a,b,c
<b>Aug 31</b>	LAP 2	<b>ONLINE:</b> Blackboard	<b>Do SEGMENT 1 Self-Review Questions</b> Review OBJECTIVE 5 Review OBJECTIVE 6	2,3, b,c
<b>Sept 1</b>	LAP 2	<b>IN CLASS/LAB:</b> LAP 2 – Basic Hydraulic Circuits	<b>Complete ACTIVITY 3</b> <b>Complete SKILL 2</b> <b>Complete SKILL 3</b> <b>Do SEGMENT 2 Self-Review Questions</b> Review OBJECTIVE 7 Review OBJECTIVE 8 <b>Complete SKILL 4</b> Review OBJECTIVE 9 <b>Do SEGMENT 3 Self-Review Questions</b> Review OBJECTIVE 10	1,2,3, a,b,c
<b>Sept 5</b>		HOLIDAY – LABOR DAY	HOLIDAY – LABOR DAY	

**WEEK 4**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Sept 6</b>	LAP 2	<b>IN CLASS/LAB:</b> LAP 2 – Basic Hydraulic Circuits	<b>Complete SKILL 5</b> <b>Complete SKILL 6</b> <b>Complete SKILL 7</b> <b>Do SEGMENT 4 Self-Review Questions</b>	1,2,3, a,b,c
<b>Sept 7</b>	LAPS 2,3	<b>ONLINE:</b> LAP 2 – Basic Hydraulic Circuits LAP 3 – Hydraulic Pressure & Flow	<b>Do LAP 2 Exam</b> Review OBJECTIVE 1 <b>Complete SKILL 1</b>	2,3, b,c
<b>Sept 8</b>	LAP 3	<b>IN CLASS/LAB:</b> LAP 3 – Hydraulic Pressure & Flow	<b>Complete SKILL 2</b> Review OBJECTIVE 2 <b>Complete SKILL 3</b> <b>Complete SKILL 4</b>	1,2,3, a,b,c
<b>Sept 12</b>	LAP 3	<b>ONLINE:</b> LAP 3 – Hydraulic Pressure & Flow	<b>Do SEGMENT 1 Self-Review Questions</b> Review OBJECTIVE 3	2,3, b,c



**WEEK 5**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Sept 13</b>	LAP 3	<b>IN CLASS/LAB:</b> LAP 3 – Hydraulic Pressure & Flow	<b>Complete ACTIVITY 1</b> Review OBJECTIVE 4 <b>Complete ACTIVITY 2</b> <b>Do SEGMENT 2 Self-Review Questions</b>	1,2,3, a,b,c
<b>Sept 14</b>	LAP 3	<b>ONLINE:</b> LAP 3 – Hydraulic Pressure & Flow	Review OBJECTIVE 5 Review OBJECTIVE 6	2,3, c
<b>Sept 15</b>	LAP 3	<b>IN CLASS/LAB:</b> LAP 3 – Hydraulic Pressure & Flow	<b>Complete SKILL 5</b> <b>Complete ACTIVITY 3</b> Review OBJECTIVE 7 <b>Complete ACTIVITY 4</b> <b>Do SEGMENT 3 Self-Review Questions</b> Review OBJECTIVE 8 Review OBJECTIVE 9 <b>Do SEGMENT 4 Self-Review Questions</b> <b>Do LAP 3 Exam</b>	1,2,3, a,b,c
<b>Sept 19</b>	LAP 4	<b>ONLINE:</b> LAP 4 – Hydraulic Speed Control	Review OBJECTIVE 1 Review OBJECTIVE 2 Review OBJECTIVE 3	2,3, c

**WEEK 6**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Sept 20</b>	LAP 4	<b>IN CLASS/LAB:</b> LAP 4 – Hydraulic Speed Control	<b>Complete SKILL 1</b> Review OBJECTIVE 4 <b>Complete ACTIVITY 1</b> <b>Do SEGMENT 1 Self-Review Questions</b> Review OBJECTIVE 5 Review OBJECTIVE 6 <b>Complete ACTIVITY 2</b> <b>Complete SKILL 2</b>	1,2,3, a,b,c
<b>Sept 21</b>	LAP 4	<b>ONLINE:</b> LAP 4 – Hydraulic Speed Control	<b>Do SEGMENT 2 Self-Review Questions</b> Review OBJECTIVE 7 Review OBJECTIVE 8	2,3, b,c
<b>Sept 22</b>	LAP 4	<b>IN CLASS/LAB:</b> LAP 4 – Hydraulic Speed Control	<b>Complete SKILL 3</b> Review OBJECTIVE 9 <b>Complete ACTIVITY 3</b> <b>Do SEGMENT 3 Self-Review Questions</b> Review OBJECTIVE 10 <b>Complete SKILL 4</b>	1,2,3, a,b,c
<b>Sept 26</b>	LAP 4	<b>ONLINE:</b> LAP 4 – Hydraulic Speed Control	Review OBJECTIVE 11	2,3, c

**WEEK 7 (OCT IS OCTOBER)**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Sept 27</b>	LAP 4	<b>IN CLASS/LAB:</b> LAP 4 – Hydraulic Speed Control	<b>Complete SKILL 5</b> <b>Do SEGMENT 4 Self-Review Questions</b> Review OBJECTIVE 12 <b>Complete SKILL 6</b> Review OBJECTIVE 13 <b>Complete SKILL 7</b>	1,2,3, a,b,c
<b>Sept 28</b>	LAP 4	<b>ONLINE:</b> LAP 4 – Hydraulic Speed Control	<b>Do SEGMENT 5 Self-Review Questions</b> Review OBJECTIVE 14 <b>Complete SKILL 8</b>	2,3, b,c
<b>Sept 29</b>	LAP 4	<b>IN CLASS/LAB:</b> LAP 4 – Hydraulic Speed Control	Review OBJECTIVE 15 <b>Complete SKILL 9</b> Review OBJECTIVE 16 <b>Complete SKILL 10</b> <b>Do SEGMENT 6 Self-Review Questions</b> <b>Do LAP 4 Exam</b>	1,2,3, a,b,c
<b>Oct 3</b>	LAP 5	<b>ONLINE:</b> LAP 5 – Pressure Control Circuits	Review OBJECTIVE 1 Review OBJECTIVE 2	2,3, c

**WEEK 8**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Oct 4</b>	LAP 5	<b>IN CLASS/LAB:</b> LAP 5 – Pressure Control Circuits	<b>Complete SKILL 1</b> <b>Complete SKILL 2</b> <b>Do SEGMENT 1 Self-Review Questions</b> Review OBJECTIVE 3 <b>Complete ACTIVITY 1</b>	1,2,3, a,b,c
<b>Oct 5</b>	LAP 5	<b>ONLINE:</b> LAP 5 – Pressure Control Circuits	Review OBJECTIVE 4 <b>Complete SKILL 3</b>	2,3, b,c
<b>Oct 6</b>	LAP 5	<b>STAFF DEVELOPMENT DAY</b> <b>No Electronics Classes</b>	<b>STAFF DEVELOPMENT DAY</b>	
<b>Oct 10</b>	LAP 5	<b>ONLINE:</b> LAP 5 – Pressure Control Circuits	Review OBJECTIVE 5 <b>Complete SKILL 4</b> <b>MIDTERM for Full Term Semester</b>	
<b>Oct 11</b>	LAP 5	<b>IN CLASS/LAB:</b> LAP 5 – Pressure Control Circuits	Review OBJECTIVE 6 <b>Complete ACTIVITY 2</b> <b>Do SEGMENT 2 Self-Review Questions</b> Review OBJECTIVE 7 Review OBJECTIVE 8 <b>Complete SKILL 5</b> <b>Complete SKILL 6</b>	1,2,3, a,b,c

**WEEK 9**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Oct 12</b>	LAP 5	<b>ONLINE:</b> LAP 5 – Pressure Control Circuits	<b>Do SEGMENT 3 Self-Review Questions</b> Review OBJECTIVE 9	2,3, b,c
<b>Oct 13</b>	LAP 5	<b>IN CLASS/LAB:</b> LAP 5 – Pressure Control Circuits	<b>Complete ACTIVITY 3</b> <b>Complete SKILL 7</b> Review OBJECTIVE 10 <b>Complete ACTIVITY 4</b>	1,2,3, a,b,c
<b>Oct 17</b>	LAP 5, 6	<b>ONLINE:</b> LAP 5 – Pressure Control Circuits LAP 6 – Pneumatic Power Systems	<b>Do SEGMENT 4 Self-Review Questions</b> <b>Do LAP 5 Exam</b> Review OBJECTIVE 1 Review OBJECTIVE 2 Review OBJECTIVE 3	2,3, b,c
<b>Oct 18</b>	LAP 6	<b>IN CLASS/LAB:</b> LAP 6 – Pneumatic Power Systems	<b>Complete ACTIVITY 1</b> <b>Complete SKILL 1</b>	1,4,5, a,b,c

**WEEK 10**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Oct 19</b>	LAP 6	<b>ONLINE:</b> LAP 6 – Pneumatic Power Systems	Review OBJECTIVE 4 <b>Do SEGMENT 1 Self-Review Questions</b>	4, b,c
<b>Oct 20</b>	LAP 6	<b>IN CLASS/LAB:</b> LAP 6 – Pneumatic Power Systems	Review OBJECTIVE 5 <b>Complete ACTIVITY 2</b> Review OBJECTIVE 6 Review OBJECTIVE 7 <b>Complete SKILL 2</b> Review OBJECTIVE 8 Review OBJECTIVE 9 <b>Complete SKILL 3</b>	1,4, a,b,c
<b>Oct 24</b>	LAP 6	<b>ONLINE:</b> LAP 6 – Pneumatic Power Systems	<b>Do SEGMENT 2 Self-Review Questions</b> <b>65% Point for Full Term Semester</b>	4, b,c
<b>Oct 25</b>	LAP 6	<b>IN CLASS/LAB:</b> LAP 6 – Pneumatic Power Systems	Review OBJECTIVE 10 <b>Complete SKILL 4</b> Review OBJECTIVE 11 <b>Complete SKILL 5</b> <b>Complete SKILL 6</b>	1,4, a,b,c

**WEEK 11 (NOV IS NOVEMBER)**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Oct</b> 26	LAP 6	<b>ONLINE:</b> LAP 6 – Pneumatic Power Systems	<b>Do SEGMENT 3 Self-Review Questions</b> Review OBJECTIVE 12 Review OBJECTIVE 13	4, b,c
<b>Oct</b> 27	LAP 6	<b>IN CLASS/LAB:</b> LAP 6 – Pneumatic Power Systems	<b>Complete ACTIVITY 3</b> Review OBJECTIVE 14 Review OBJECTIVE 15 <b>Complete SKILL 7</b>	1,4, a,b,c
<b>Oct</b> 31	LAP 6	<b>ONLINE:</b> LAP 6 – Pneumatic Power Systems Catch-Up Day	Catch-Up Day	
<b>Nov</b> 1	LAP 6	<b>IN CLASS/LAB:</b> LAP 6 – Pneumatic Power Systems	<b>Complete SKILL 8</b>	4, b,c

**WEEK 12 (NOV IS NOVEMBER)**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Nov</b> 2	LAP 6	<b>ONLINE:</b> LAP 6 – Pneumatic Power Systems	<b>Do SEGMENT 4 Self-Review Questions</b> <b>Do LAP 6 Exam</b>	4, b,c
<b>Nov</b> 3	LAP 7	<b>IN CLASS/LAB:</b> LAP 7 – Basic Pneumatic Circuits	Review OBJECTIVE 1 Review OBJECTIVE 2 <b>Complete ACTIVITY 1</b> Review OBJECTIVE 3 Review OBJECTIVE 4 <b>Complete SKILL 1</b>	1,4,5, a,b,c
<b>Nov</b> 7	LAP 7	<b>ONLINE:</b> LAP 7 – Basic Pneumatic Circuits	<b>Do SEGMENT 1 Self-Review Questions</b> Review OBJECTIVE 5 Review OBJECTIVE 6	4,5, b,c
<b>Nov</b> 8	LAP 7	<b>IN CLASS/LAB:</b> LAP 7 – Basic Pneumatic Circuits	<b>Complete SKILL 2</b> Review OBJECTIVE 7 <b>Complete ACTIVITY 2</b> Review OBJECTIVE 8 <b>Do SEGMENT 2 Self-Review Questions</b>	1,4,5,6,a,b,c

**WEEK 13**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Nov 9</b>	LAP 7	<b>ONLINE:</b> LAP 7 – Basic Pneumatic Circuits	Review OBJECTIVE 9 <b>Complete SKILL 3</b> Review OBJECTIVE 10 <b>Complete SKILL 4</b>	4,5, b,c
<b>Nov 10</b>	LAP 7	<b>IN CLASS/LAB:</b> LAP 7 – Basic Pneumatic Circuits	<b>Complete SKILL 5 and 6</b> <b>Do SEGMENT 3 Self-Review Questions</b> <b>SKIP SEGMENT 4 of LAP 7</b> <b>Do LAP 7 Exam</b>	1,4,5,6,a,b,c
<b>Nov 14</b>	LAP 8	<b>ONLINE:</b> LAP 8 – Pneumatic Pressure & Flow	Review OBJECTIVE 1 <b>Complete SKILL 1</b>	4,5, b,c
<b>Nov 15</b>	LAP 8	<b>IN CLASS/LAB:</b> LAP 8 – Pneumatic Pressure & Flow	<b>Complete SKILL 2</b> Review OBJECTIVE 2 <b>Complete SKILL 3</b> <b>Do SEGMENT 1 Self-Review Questions</b> Review OBJECTIVE 3 <b>Complete ACTIVITY 1</b> Review OBJECTIVE 4 <b>Complete ACTIVITY 2</b> <b>Do SEGMENT 2 Self-Review Questions</b>	1,4,5,6,a,b,c

**WEEK 14**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Nov 16</b>	LAP 8	<b>ONLINE:</b> LAP 8 – Pneumatic Pressure & Flow	Review OBJECTIVE 5 <b>Complete SKILL 4</b> Review OBJECTIVE 6 and 7 <b>Complete SKILL 5</b>	4,5, b,c
<b>Nov 17</b>	LAP 8	<b>IN CLASS/LAB:</b> LAP 8 – Pneumatic Pressure & Flow	Complete ACTIVITY 3 Do SEGMENT 3 Self-Review Questions Review OBJECTIVE 8, 9, and 10 Complete SKILL 6 Review OBJECTIVE 11 Complete ACTIVITY 4	1,4,5,6, a,b,c
<b>Nov 21-24</b>		<b>HOLIDAY - THANKSGIVING</b>	<b>HOLIDAY - THANKSGIVING</b>	
<b>Nov 28</b>	LAP 8, 9	<b>ONLINE:</b> LAP 8 – Pneumatic Pressure & Flow LAP 9 – Pneumatic Speed Control	<b>Do SEGMENT 4 Self-Review Questions</b> <b>Do LAP 8 Exam</b> Review OBJECTIVE 1 and 2	4,5, a,b,c
<b>Nov 29</b>	LAP 9	<b>IN CLASS/LAB:</b> LAP 9 – Pneumatic Speed Control	<b>Complete SKILL 1</b> Review OBJECTIVE 3 <b>Complete SKILL 2</b> Review OBJECTIVE 4 and 5 <b>Complete SKILL 3</b>	1,4,5,6, a,b,c

**WEEK 15 (DEC IS DECEMBER)**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Nov 30</b>	LAP 9	<b>ONLINE:</b> LAP 9 – Pneumatic Speed Control	<b>Do SEGMENT 1 Self-Review Questions</b> Review OBJECTIVE 6 and 7	4,5, b,c
<b>Dec 1</b>	LAP 9	<b>IN CLASS/LAB:</b> LAP 9 – Pneumatic Speed Control	<b>Complete SKILL 4</b> Review OBJECTIVE 8 and 9 <b>Complete SKILL 5</b> Review OBJECTIVE 10 <b>Complete ACTIVITY 1</b>	1,4,5,6,a,b,c
<b>Dec 5</b>	LAP 9	<b>ONLINE:</b> LAP 9 – Pneumatic Speed Control	<b>Do SEGMENT 2 Self-Review Questions</b> Review OBJECTIVE 11	5, b,c
<b>Dec 6</b>	LAP 9	<b>IN CLASS/LAB:</b> LAP 9 – Pneumatic Speed Control	<b>Complete SKILL 6</b> Review OBJECTIVE 12 <b>Complete SKILL 7</b> Review OBJECTIVE 13 <b>Complete SKILL 8</b> Review OBJECTIVE 14 <b>Complete SKILL 9 and 10</b> Review OBJECTIVE 15 <b>Complete SKILL 11</b> <b>Do SEGMENT 3 Self-Review Questions</b> <b>Do LAP 9 Exam</b>	1,4,5,6, a,b,c

**FINAL EXAM WEEK**

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Dec 7</b>	<b>1 – 9</b>	<b>ONLINE:</b> Day 1 of Final Exams	<b>Fluid Power Final Exam</b>	1-6, b,c
<b>Dec 8</b>	<b>1 – 9</b>	<b>ONLINE:</b> Day 2 of Final Exams	<b>(Complete by Midnight of Day 2)</b>	1-6, b,c

**Competency Areas:**

1. Safety
2. Fluid Dynamics
3. Hydraulic Pressure and Flow
4. Pneumatics
5. Air Logic
6. Electrical Interfacing

**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.