



ELCR-2150 Fluid Power COURSE SYLLABUS Fall Semester 2019

COURSE INFORMATION

Credit Hours/Minutes: 2 Hours / 2250 Minutes
Class Location: RMTC, Room 827, Vidalia Campus
Class Meets: Monday and Wednesday (MW), 3:00 PM to 4:15 PM
CRN: 20011
Preferred Method of Contact: Text or Email to Instructor

INSTRUCTOR CONTACT INFORMATION

Instructor Name: William (Chip) Greene
Office Location: Vidalia Campus / Building B, Room 822
Office Hours: MTWR from 8:00 AM to 9:00 AM and 10:30 AM to 11:30 AM
Email Address: wgreene@southeasterntech.edu
Phone: (912) 538-3102
Fax Number: (912) 538-3106
Preferred Method of Contact: Text or Email to Instructor

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 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.

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 (TRADITIONAL)

Students are expected to complete all tests and comprehensive problems by the due dates. A ten point penalty will be assessed for each day a comprehensive problem is late. There are no makeup tests. Tests are made available for several days; therefore, there are no makeup tests. Students who miss a test will be assigned a grade of zero. Students are responsible for policies and procedures included in the STC E-Catalog. All online students must pledge that they have read and understand the STC Online Orientation within the first five days of class. Online students are responsible for checking e-mails and Blackboard announcements DAILY.

TRADITIONAL 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: [Macy Gay, \(mgay@southeasterntech.edu\)](mailto:mgay@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: [Macy Gay, \(mgay@southeasterntech.edu\)](mailto:mgay@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.

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 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 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

The Technical College System of Georgia (TCSG) and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member, or citizenship status (except in those special circumstances permitted or mandated by law). This nondiscrimination policy encompasses the operation of all technical college-administered programs, federally financed programs, educational programs and activities involving admissions, scholarships and loans, student life, and athletics. It also applies to the recruitment and employment of personnel and contracting for goods and services.

All work and campus environments shall be free from unlawful forms of discrimination, harassment and retaliation as outlined under Title IX of the Educational Amendments of 1972, Title VI and Title VII of the Civil Rights Act of 1964, as amended, the Age Discrimination in Employment Act of 1967, as amended, Executive Order 11246, as amended, the Vietnam Era Veterans Readjustment Act of 1974, as amended, Section 504 of the Rehabilitation Act of 1973, as amended, the Americans With Disabilities Act of 1990, as amended, the Equal Pay Act, Lilly Ledbetter Fair Pay Act of 2009, the Georgia Fair Employment Act of 1978, as amended, the Immigration Reform and Control Act of 1986, the Genetic Information Nondiscrimination

Act of 2008, the Workforce Investment Act of 1998 and other related mandates under TCSG Policy, federal or state statutes.

The Technical College System and Technical Colleges shall promote the realization of equal opportunity through a positive continuing program of specific practices designed to ensure the full realization of equal opportunity.

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 STC’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).

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 | 90-100 |
| B | 80-89 |
| C | 70-79 |
| D | 60-69 |
| F | 0-59 |

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 2019 Lesson Plan

WEEK 1 (AUG IS AUGUST)

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|--------|------------------|---------------------------------|--|-----------------|
| Aug 13 | 1 | LAP 1 – Hydraulic Power Systems | On BLACKBOARD: Read / Review START HERE info POST to appropriate Message Boards Download/Review all material Review OBJECTIVE 1 Activity 1 – VIDEO NOT AVAILABLE Review OBJECTIVE 2 Complete ACTIVITY 2 Review OBJECTIVE 3 Complete SKILL 1 | 1,2,3, a,b,c |
| Aug 14 | 1 | LAP 1 – Hydraulic Power Systems | Do SEGMENT 1 Self-Review Questions Review OBJECTIVE 4 | 2,3, b,c |
| Aug 15 | 1 | LAP 1 – Hydraulic Power Systems | Complete ACTIVITY 3 Complete ACTIVITY 4 Complete SKILL 2 Complete SKILL 3 | 1,2,3, a,b,c |
| Aug 19 | 1 | LAP 1 – Hydraulic Power Systems | Do SEGMENT 2 Self-Review Questions Review OBJECTIVE 5 Review OBJECTIVE 6 | 2,3, b,c |

WEEK 2

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|--------|------------------|----------------------------------|---|-----------------|
| Aug 20 | 1 | LAP 1 – Hydraulic Power Systems | Complete SKILL 4 Review OBJECTIVE 7 Complete SKILL 5 Review OBJECTIVE 8 | 1,2,3, a,b,c |
| Aug 21 | 2 | LAP 1 – Hydraulic Power Systems | Do SEGMENT 3 Self-Review Questions Review OBJECTIVE 9 Review OBJECTIVE 10 | 2,3, b,c |
| Aug 22 | 2 | LAP 1 – Hydraulic Power Systems | Complete ACTIVITY 5 Review OBJECTIVE 11 Review OBJECTIVE 12 Complete ACTIVITY 6 Complete SKILL 6 Complete SKILL 7 Do SEGMENT 4 Self-Review Questions Do LAP 1 Exam | 1,2,3, a,b,c |
| Aug 26 | 2 | LAP 2 – Basic Hydraulic Circuits | Review OBJECTIVE 1 Review OBJECTIVE 2 | 1,2,3, c |

WEEK 3 (SEPT IS SEPTEMBER)

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|---------------|-------------------------|----------------------------------|--|------------------------|
| Aug 27 | 2 | LAP 2 – Basic Hydraulic Circuits | Complete SKILL 1 ACTIVITY 1 – DO NOT DO THIS ONE Review OBJECTIVE 3 Complete ACTIVITY 2 Review OBJECTIVE 4 | 1,2,3, a,b,c |
| Aug 28 | 2 | LAP 2 – Basic Hydraulic Circuits | Do SEGMENT 1 Self-Review Questions Review OBJECTIVE 5 Review OBJECTIVE 6 | 2,3, b,c |
| Aug 29 | 2 | LAP 2 – Basic Hydraulic Circuits | Complete ACTIVITY 3 Complete SKILL 2 Complete SKILL 3 Do SEGMENT 2 Self-Review Questions Review OBJECTIVE 7 Review OBJECTIVE 8 Complete SKILL 4 Review OBJECTIVE 9 Do SEGMENT 3 Self-Review Questions Review OBJECTIVE 10 | 1,2,3, a,b,c |
| Sept 2 | | HOLIDAY – LABOR DAY | HOLIDAY – LABOR DAY | |
| Sept 3 | 2 | LAP 2 – Basic Hydraulic Circuits | Complete SKILL 5 Complete SKILL 6 Complete SKILL 7 Do SEGMENT 4 Self-Review Questions | 1,2,3, a,b,c |

WEEK 4

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|----------------|-------------------------|-----------------------------------|---|------------------------|
| Sept 4 | 2, 3 | LAP 3 – Hydraulic Pressure & Flow | Do LAP 2 Exam Review OBJECTIVE 1 Complete SKILL 1 | 2,3, b,c |
| Sept 5 | 3 | LAP 3 – Hydraulic Pressure & Flow | Complete SKILL 2 Review OBJECTIVE 2 Complete SKILL 3 Complete SKILL 4 | 1,2,3, a,b,c |
| Sept 9 | 3 | LAP 3 – Hydraulic Pressure & Flow | Do SEGMENT 1 Self-Review Questions Review OBJECTIVE 3 | 2,3, b,c |
| Sept 10 | 3 | LAP 3 – Hydraulic Pressure & Flow | Complete ACTIVITY 1 Review OBJECTIVE 4 Complete ACTIVITY 2 Do SEGMENT 2 Self-Review Questions | 1,2,3, a,b,c |

WEEK 5

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|----------------|-------------------------|-----------------------------------|---|------------------------|
| Sept 11 | 3 | LAP 3 – Hydraulic Pressure & Flow | Review OBJECTIVE 5 Review OBJECTIVE 6 | 2,3, c |
| Sept 12 | 3 | LAP 3 – Hydraulic Pressure & Flow | Complete SKILL 5 Complete ACTIVITY 3 Review OBJECTIVE 7 Complete ACTIVITY 4 Do SEGMENT 3 Self-Review Questions Review OBJECTIVE 8 Review OBJECTIVE 9 Do SEGMENT 4 Self-Review Questions Do LAP 3 Exam | 1,2,3, a,b,c |
| Sept 16 | 4 | LAP 4 – Hydraulic Speed Control | Review OBJECTIVE 1 Review OBJECTIVE 2 Review OBJECTIVE 3 | 2,3, c |
| Sept 17 | 4 | LAP 4 – Hydraulic Speed Control | Complete SKILL 1 Review OBJECTIVE 4 Complete ACTIVITY 1 Do SEGMENT 1 Self-Review Questions Review OBJECTIVE 5 Review OBJECTIVE 6 Complete ACTIVITY 2 Complete SKILL 2 | 1,2,3, a,b,c |

WEEK 6

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|----------------|-------------------------|---------------------------------|--|------------------------|
| Sept 18 | 4 | LAP 4 – Hydraulic Speed Control | Do SEGMENT 2 Self-Review Questions Review OBJECTIVE 7 Review OBJECTIVE 8 | 2,3, b,c |
| Sept 19 | 4 | LAP 4 – Hydraulic Speed Control | Complete SKILL 3 Review OBJECTIVE 9 Complete ACTIVITY 3 Do SEGMENT 3 Self-Review Questions Review OBJECTIVE 10 Complete SKILL 4 | 1,2,3, a,b,c |
| Sept 23 | 4 | LAP 4 – Hydraulic Speed Control | Review OBJECTIVE 11 | 2,3, c |
| Sept 24 | 4 | LAP 4 – Hydraulic Speed Control | Complete SKILL 5 Do SEGMENT 4 Self-Review Questions Review OBJECTIVE 12 Complete SKILL 6 Review OBJECTIVE 13 Complete SKILL 7 | 1,2,3, a,b,c |

WEEK 7 (OCT IS OCTOBER)

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|----------------|-------------------------|-----------------------------------|--|------------------------|
| Sept 25 | 4 | LAP 4 – Hydraulic Speed Control | Do SEGMENT 5 Self-Review Questions Review OBJECTIVE 14 Complete SKILL 8 | 2,3, b,c |
| Sept 26 | 4 | LAP 4 – Hydraulic Speed Control | Review OBJECTIVE 15 Complete SKILL 9 Review OBJECTIVE 16 Complete SKILL 10 Do SEGMENT 6 Self-Review Questions Do LAP 4 Exam | 1,2,3, a,b,c |
| Sept 30 | 5 | LAP 5 – Pressure Control Circuits | Review OBJECTIVE 1 Review OBJECTIVE 2 | 2,3, c |
| Oct 1 | 5 | LAP 5 – Pressure Control Circuits | Complete SKILL 1 Complete SKILL 2 Do SEGMENT 1 Self-Review Questions Review OBJECTIVE 3 Complete ACTIVITY 1 | 1,2,3, a,b,c |

WEEK 8

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|--------------|-------------------------|---|---|------------------------|
| Oct 2 | 5 | LAP 5 – Pressure Control Circuits | Review OBJECTIVE 4 Complete SKILL 3 Review OBJECTIVE 5 Complete SKILL 4 | 2,3, b,c |
| Oct 3 | 5 | LAP 5 – Pressure Control Circuits | Review OBJECTIVE 6 Complete ACTIVITY 2 Do SEGMENT 2 Self-Review Questions Review OBJECTIVE 7 Review OBJECTIVE 8 Complete SKILL 5 Complete SKILL 6 | 1,2,3, a,b,c |
| Oct 7 | 5 | LAP 5 – Pressure Control Circuits | Do SEGMENT 3 Self-Review Questions Review OBJECTIVE 9 | 2,3, b,c |
| Oct 8 | 5 | LAP 5 – Pressure Control Circuits MIDTERM for Full Term | Complete ACTIVITY 3 Complete SKILL 7 Review OBJECTIVE 10 Complete ACTIVITY 4 | 1,2,3, a,b,c |

WEEK 9

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|---------------|-------------------------|---|---|------------------------|
| Oct 9 | 5, 6 | LAP 6 – Pneumatic Power Systems | Do SEGMENT 4 Self-Review Questions Do LAP 5 Exam Review OBJECTIVE 1 Review OBJECTIVE 2 | 2,3, b,c |
| Oct 10 | No Class | Staff Development Day – No Class | Staff Development Day – No Class | No Class |
| Oct 14 | 6 | LAP 6 – Pneumatic Power Systems | Review OBJECTIVE 3 | 2,3, c |
| Oct 15 | 6 | LAP 6 – Pneumatic Power Systems | Complete ACTIVITY 1 Complete SKILL 1 | 1,4,5, a,b,c |
| Oct 16 | 6 | LAP 6 – Pneumatic Power Systems | Review OBJECTIVE 4 Do SEGMENT 1 Self-Review Questions | 4, b,c |

WEEK 10

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|---------------|-------------------------|---------------------------------|--|------------------------|
| Oct 17 | 6 | LAP 6 – Pneumatic Power Systems | Review OBJECTIVE 5 Complete ACTIVITY 2 Review OBJECTIVE 6 Review OBJECTIVE 7 Complete SKILL 2 Review OBJECTIVE 8 Review OBJECTIVE 9 Complete SKILL 3 | 1,4, a,b,c |
| Oct 21 | 6 | LAP 6 – Pneumatic Power Systems | Do SEGMENT 2 Self-Review Questions | 4, b,c |
| Oct 22 | 6 | LAP 6 – Pneumatic Power Systems | Review OBJECTIVE 10 Complete SKILL 4 Review OBJECTIVE 11 Complete SKILL 5 Complete SKILL 6 | 1,4, a,b,c |
| Oct 23 | 6 | LAP 6 – Pneumatic Power Systems | Do SEGMENT 3 Self-Review Questions Review OBJECTIVE 12 Review OBJECTIVE 13 | 4, b,c |

WEEK 11

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|---------------|-------------------------|---------------------------------|---|------------------------|
| Oct 24 | 6 | LAP 6 – Pneumatic Power Systems | Complete ACTIVITY 3 Review OBJECTIVE 14 Review OBJECTIVE 15 Complete SKILL 7 | 1,4, a,b,c |
| Oct 28 | | Catch-Up Day | Catch-Up Day | |
| Oct 29 | 6 | LAP 6 – Pneumatic Power Systems | Complete SKILL 8 | 4, b,c |
| Oct 30 | 6 | LAP 6 – Pneumatic Power Systems | Do SEGMENT 4 Self-Review Questions Do LAP 6 Exam | 4, b,c |

WEEK 12 (NOV IS NOVEMBER)

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|---------------|-------------------------|----------------------------------|--|------------------------|
| Oct 31 | 7 | LAP 7 – Basic Pneumatic Circuits | Review OBJECTIVE 1 Review OBJECTIVE 2 Complete ACTIVITY 1 Review OBJECTIVE 3 Review OBJECTIVE 4 Complete SKILL 1 | 1,4,5, a,b,c |
| Nov 4 | 7 | LAP 7 – Basic Pneumatic Circuits | Do SEGMENT 1 Self-Review Questions Review OBJECTIVE 5 Review OBJECTIVE 6 | 4,5, b,c |
| Nov 5 | 7 | LAP 7 – Basic Pneumatic Circuits | Complete SKILL 2 Review OBJECTIVE 7 Complete ACTIVITY 2 Review OBJECTIVE 8 Do SEGMENT 2 Self-Review Questions | 1,4,5,6,a,b,c |
| Nov 6 | 7 | LAP 7 – Basic Pneumatic Circuits | Review OBJECTIVE 9 Complete SKILL 3 Review OBJECTIVE 10 Complete SKILL 4 | 4,5, b,c |

WEEK 13

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|---------------|-------------------------|-----------------------------------|--|------------------------|
| Nov 7 | 7 | LAP 7 – Basic Pneumatic Circuits | Complete SKILL 5 Complete SKILL 6 Do SEGMENT 3 Self-Review Questions <u>SKIP SEGMENT 4 of LAP 7</u> Do LAP 7 Exam | 1,4,5,6,a,b,c |
| Nov 11 | 8 | LAP 8 – Pneumatic Pressure & Flow | Review OBJECTIVE 1 Complete SKILL 1 | 4,5, b,c |
| Nov 12 | 8 | LAP 8 – Pneumatic Pressure & Flow | Complete SKILL 2 Review OBJECTIVE 2 Complete SKILL 3 Do SEGMENT 1 Self-Review Questions Review OBJECTIVE 3 Complete ACTIVITY 1 Review OBJECTIVE 4 Complete ACTIVITY 2 Do SEGMENT 2 Self-Review Questions | 1,4,5,6,a,b,c |
| Nov 13 | 8 | LAP 8 – Pneumatic Pressure & Flow | Review OBJECTIVE 5 Complete SKILL 4 Review OBJECTIVE 6 Review OBJECTIVE 7 Complete SKILL 5 | 4,5, b,c |

WEEK 14

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|---------------|-------------------------|-----------------------------------|--|------------------------|
| Nov 14 | 8 | 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 |
| Nov 18 | 8, 9 | LAP 9 – Pneumatic Speed Control | Do SEGMENT 4 Self-Review Questions Do LAP 8 Exam Review OBJECTIVE 1 Review OBJECTIVE 2 | 4,5, a,b,c |
| Nov 19 | 9 | LAP 9 – Pneumatic Speed Control | Complete SKILL 1 Review OBJECTIVE 3 Complete SKILL 2 Review OBJECTIVE 4 Review OBJECTIVE 5 Complete SKILL 3 | 1,4,5,6, a,b,c |
| Nov 20 | 9 | LAP 9 – Pneumatic Speed Control | Do SEGMENT 1 Self-Review Questions Review OBJECTIVE 6 Review OBJECTIVE 7 | 4,5, b,c |

WEEK 15 (DEC IS DECEMBER)

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|---------------|-------------------------|---------------------------------|--|------------------------|
| Nov 21 | 9 | LAP 9 – Pneumatic Speed Control | Complete SKILL 4 Review OBJECTIVE 8 Review OBJECTIVE 9 Complete SKILL 5 Review OBJECTIVE 10 Complete ACTIVITY 1 | 1,4,5,6,a,b,c |
| Nov 25 | 9 | LAP 9 – Pneumatic Speed Control | Do SEGMENT 2 Self-Review Questions Review OBJECTIVE 11 | 5, b,c |
| Nov 26 | 9 | LAP 9 – Pneumatic Speed Control | Complete SKILL 6 Review OBJECTIVE 12 Complete SKILL 7 Review OBJECTIVE 13 Complete SKILL 8 Review OBJECTIVE 14 Complete SKILL 9 Complete SKILL 10 Review OBJECTIVE 15 Complete SKILL 11 | 1,4,5,6, a,b,c |
| Nov 27 | No Class | HOLIDAY - THANKSGIVING | HOLIDAY – THANKSGIVING | No Class |
| Dec 28 | No Class | HOLIDAY - THANKSGIVING | HOLIDAY – THANKSGIVING | No Class |
| Dec 2 | 9 | LAP 9 – Pneumatic Speed Control | Do SEGMENT 3 Self-Review Questions Do LAP 9 Exam | 1,4,5,6, a,b,c |

FINAL EXAM WEEK

| Date | Chapter / Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|--------------|-------------------------|----------------------|--|------------------------|
| Dec 3 | 1 – 9 | Day 1 of Final Exams | Fluid Power Final Exam | 1-6, b,c |
| Dec 4 | 1 – 9 | Day 2 of Final Exams | (Complete by Midnight of Day 2) | 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.