

**ELCR 1005 – Soldering Technology**  
**COURSE SYLLABUS**  
**SPRING SEMESTER 2017 (201714)**

**Semester:** Spring 2017 (201714)  
**Course Title:** Soldering Technology  
**Course Number:** ELCR 1005  
**Credit Hr / Min:** 1 hr / 1500 min  
**Class Location:** GVTC / Blackboard  
**Class Meets:** via Internet / 15 wks  
**CRN:** 40151

**Instructor:** William Greene  
**Office Hours:** Mon –Thurs 8:00–9:00, 11–Noon  
Mon & Wed 1:00 pm – 3:00 pm  
**Office Location:** RMTC Room 822, Vidalia Campus  
**E-mail Address:** [wgreene@southeasterntech.edu](mailto:wgreene@southeasterntech.edu)  
**Phone:** 912-538-3102 FAX: 912-538-3106  
Preferred contact method is e-mail

**REQUIRED TEXT:** None

**REQUIRED SUPPLIES:** **Soldering Kit**  
Please contact the STC Campus Shop  
(912) 538-3129

**On-Line Students, only:** **Soldering Iron**  
(with the smallest tip you can acquire)  
**Solder, Flux, and Safety Glasses**

**REQUIRED SOFTWARES:** IE 7 or higher or Mozilla Firefox 2.0 or higher



**COURSE DESCRIPTION:** Develops the ability to solder and desolder connectors, components, and printed circuit boards using industry standards. Topics include: safety practices, soldering, desoldering, anti-static grounding, and surface mount techniques.

**MAJOR COURSE COMPETENCIES / COURSE OUTLINE:**

1. Safety Practices
2. Soldering
3. Desoldering
4. Anti-Static Grounding
5. Surface Mount Techniques

**PREREQUISITES:** Provisional Admission

**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 work and comprehensive projects required by the instructor by the due dates and to attend the required proctored campus exam. Students will have at least one week to complete tests and projects. **Students who miss a test will be assigned a grade of zero. A ten point penalty will be assessed for each day a comprehensive project is late.** Discussion Board assignments are due on the Monday following the Thursday they are assigned. Exceptions to the due dates of assignments due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

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.**

**ONLINE ATTENDANCE:** It is the student's responsibility to be academically engaged each week doing course related 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 will not be withdrawn by an instructor for attendance; however, all instructors will keep records of graded

assignments and student participation in course activities. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Students will have at least one week to complete tests and assignments. All tests and assignments are due at (time) on (Monday, Tuesday, or Wednesday) of each week. (Instructors...fill in the time and choose a day that assignments are due each week). Exceptions to the due dates of assignments due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

**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.

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

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

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

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

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

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

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

**PROCTORED EVENT REQUIREMENT:** In order to validate student identity for all online courses, students enrolled in online courses are **required** to complete one proctored event per online course. The proctored event will be administered on two separate days during the semester—once on the Vidalia campus and once on the Swainsboro campus and will be monitored by the instructor or another STC employee. The proctored event may be a major exam, assignment, or presentation, etc. that will count a minimum of 20% of the course grade. Students must attend one of the scheduled proctored sessions and will need to make arrangements with work, childcare, etc. The specific dates of the proctored event are scheduled on the Lesson Plan/Calendar for the online course. Students living further than 75 miles from either campus who cannot come to Southeastern Tech for the event must secure an approved proctoring site. The site and the proctor must meet Southeastern Technical College's requirements (instructor will provide more information and necessary forms if this is the case). Note: Students taking proctored events off campus will utilize the Proctor Scheduling and Approval Form found in Blackboard within the Getting Started/Start Here and Proctoring Event area. The completed form should be submitted to the course instructor a minimum of two weeks prior to the proctored event. If approved, the instructor will notify the proctor.

Students arranging off-campus proctoring must take the event on one of the originally scheduled days. Students who do not complete the proctored event as scheduled must submit a valid documented excuse within three business days after the scheduled event. If the excuse is approved, students must make arrangements with the instructor to makeup/reschedule the missed event. The penalty and makeup instructions will be at the instructor's discretion. Proctored events will be given after the 65% point of the semester. **Students who do not complete the proctored event will receive an F in the course.**

As published on STC's website, any expenses incurred to obtain a proctor will be the responsibility of the student; however, students are not charged a proctoring fee when taking the proctored exam on the campus of Southeastern Tech. Most of Georgia's technical colleges do not charge to proctor exams for students enrolled in other TCSG colleges. Students who are enrolled at Southeastern Technical College and live out of the state of Georgia or out of the country could incur a proctoring charge. However, in that instance, the instructor would assist the student in locating the least expensive proctor.

**PROCTORED EVENT FOR THIS COURSE:** ELCR-1005 has one (1) proctored event over the 9 week summer semester period, which is the Final Exam. E-mail your professor when you have chosen which day you would like to take this exam. If you need special arrangements outside of the assigned day / time slots for the proctored event, contact your instructor immediately. The assigned days/times are April 17<sup>th</sup>, April 18<sup>th</sup>, and April 19<sup>th</sup> between 1:00 PM and 3:00 PM. The test will be given at the Vidalia Campus in the Gillis Building, Room 824 and/or 827.

**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 your 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!** Comprehensive project 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:

##### **--First Offense--**

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

##### **--Second Offense--**

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

##### **--Third Offense--**

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

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

**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 STC website at [www.southeasterntech.edu](http://www.southeasterntech.edu).

**ELCR 1005 GRADING POLICY:**

<b>Solder Projects</b>	<b>55%</b>
<b>Discussion Boards</b>	<b>10%</b>
<b>Mid-Term Exam</b>	<b>15%</b>
<b>Final Exam</b>	<b>20%</b>
	<b>100%</b>

**GRADING SCALE**

A	(90-100)
B	(80-89)
C	(70-79)
D	(60-69)
F	(0-59)

For **any** course to count as credit for graduation, student must make a C or higher in the course.

**Final Exam** is the proctored event.

**ELCR 1005 DISCUSSION BOARD GRADING RUBRIC:**

Criteria	Achievement Level		
	Level 1 (0%)	Level 2 (70%)	Level 3 (100%)
<b>Student Post to Discussion Board</b> (50% Weighting)	0 points  Student did not post to the Discussion Board -OR- Student post has at least 3 of the following: * Grammatical, spelling, or punctuation errors. * Less than four sentences. * Does not address all questions posed.	35 points  Student post has at least 2 of the following: * Grammatical, spelling, or punctuation errors. * Less than four sentences. * Does not address all questions posed.	50 points  Student post contains 4 or more sentences and addresses all questions. Student post has no more than 1 grammatical, spelling, or punctuation error.
<b>Student Reply to Another Student</b> (50% Weighting)	0 points  Student did not reply to another student post. -OR- Student reply has at least 2 of the following: * Grammatical, spelling, or punctuation errors. * Less than three sentences.	35 points  Student reply has at least 1 of the following: * Grammatical, spelling, or punctuation errors. * Less than three sentences. * Does not address all questions posed.	50 points  Student reply contains 3 or more sentences. Student post has no grammatical, spelling, or punctuation errors.

**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 employed 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.*

**\*\*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-1005 – Soldering Technology  
LESSON PLAN  
Spring Semester 2017 (CRN 40151)**

Color Codes: **Black** = Assignments & Information, **Blue** = [Graded Assignments \(and/or attendance contacts\)](#)

<b>Date</b>	<b>Chapter / Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests (Due Dates)</b>	<b>*Comp. Area</b>
<b>WEEK 1</b>				
<b>Jan 9</b>	<b>1</b>	Online Course Orientation ELC104 – Soldering Technology Orientation  (The Soldering Kit from the Bookstore contains the three soldering projects you will need to complete for this course. It does <b>not</b> include a solder iron, solder, flux, etc.)	<b>LOG ON TO BLACKBOARD</b> <b>Navigate</b> to the ELCR 1005 Course <b>Read</b> the COURSE ANNOUNCEMENTS <b>Follow</b> all instructions <a href="#">POST to appropriate Message Boards</a> <b>Purchase Soldering Kit from Bookstore</b>	1, a,c
10	<b>1</b>	<b>Reading Assignment – Introduction</b> <b>Reading Assignment – Foreword</b> ( <b>Reading Assignments</b> are located in the <b>Assignments</b> folder under the <b>Course Work Tab</b> )	<b>Read</b> the <b>Introduction</b> and the <b>Foreword</b> . (Print or save this info for future reference)	1,2,4, a,c
11	<b>1</b>	<b>Procedures – Basic Procedures</b> ( <b>Procedures</b> are located in the <b>Assignments</b> folder under the <b>Course Work Tab</b> )	<b>Read</b> all the content under the <b>Basic Procedures</b> folder. (Print or save this info for future reference)	1,2,4, a,c
12	<b>1</b>		<b>Watch Video:</b> Basic Soldering Part 1 (Take Notes when watching the videos) <a href="#">Post to Discussion Board #1</a>	1,2,4, a,c
<b>WEEK 2</b>				
<b>Jan 16</b>		<b>HOLIDAY</b>	<b>HOLIDAY</b>	
17	<b>1</b>	<b>Procedures – Base Board Procedures</b>	<b>Read</b> all the content under the <b>Base Board Procedures</b> folder.	1,2,4, a,c
18	<b>1</b>	<b>This weekly e-mail should contain the following information:</b> - You have <b>purchased</b> the <b>Soldering Kit</b> - You have/have not <b>received</b> the <b>Kit</b> - <b>Where</b> you will do your <b>project work</b> , <b>STC</b> or other	<a href="#">E-mail your weekly project status</a> <a href="#">Reply to Discussion Board #1</a>	a,c
19	<b>1</b>	<b>Procedures – Conductor Procedures</b>	<b>Read</b> all the content under the <b>Conductor Procedures</b> folder. <a href="#">Post to Discussion Board #2</a>	1,2,4, a,c
23	<b>1</b>		<b>Watch Video:</b> Basic Soldering Part 2	1,2,4, a,c

WEEK 3				
Jan 24	1	Procedures – Plated Hole Procedures	Read all the content under the Plated Hole Procedures folder.	1,2,4, a,c
25	1	This weekly e-mail should contain any updates or change to the last weekly e-mail.	<a href="#">E-mail your weekly project status</a>	a,c
26	1	Procedures – Jumper Wires and Component Modification Procedures	Read all the content under the Jumper Wires and Component Modification Procedures. <a href="#">Reply to Discussion Board #2</a>	1,2,4, a,c
30	2	Soldering Skills – Soldering Basics 7.1.1 (Soldering Skills are in the Assignments folder under the Course Work Tab)	Read 7.1.1 under the Soldering Skills folder. Watch Video: Basic Soldering Part 3	1,2,4, a,c
WEEK 4				
Jan 31	2	Soldering Skills Preparation For Soldering and Component Removal 7.1.2	Read 7.1.2 under the Soldering Skills folder.	1,2,3, a,c
Feb 1	2	Soldering Skills Solder Joint Acceptance Criteria 7.1.3	Read 7.1.3 under the Soldering Skills folder.	2, a,c
2	1,2	Soldering Skills Soldering Through-Hole Components, Point-To-Point Method 7.2.1 <a href="#">START Solder Project #1</a> <a href="#">Deluxe Learn to Solder Kit</a>	Read 7.2.1 under the Soldering Skills folder. <a href="#">Post to Discussion Board #2</a> <a href="#">START Solder Project #1</a> <a href="#">Deluxe Learn to Solder Kit</a>	2, a,c
6	1,2	This weekly e-mail should verify you have started your first project.	<a href="#">E-mail your weekly project status</a>	a,c
WEEK 5				
Feb 7	1,2	Soldering Skills Soldering Through-Hole Components, Solder Fountain Method 7.2.2	Read 7.2.2 under the Soldering Skills folder.	2, a,c
8	1,2,3	Soldering Skills Soldering Surface-Mount Components, Point-To-Point Method 7.3.1	Read 7.3.1 under the Soldering Skills folder.	5, a,c
9	1,2,3	Soldering Skills Soldering Surface-Mount Components, Hot Gas Method 7.3.2	Read 7.3.2 under the Soldering Skills folder. <a href="#">Reply to Discussion Board #3</a> <a href="#">E-mail your weekly project status</a>	5, a,c
13	1,2,3	Soldering Skills Soldering Surface-Mount J-Lead Components, Point-To-Point Method 7.4.1	Read 7.4.1 under the Soldering Skills folder.	5, a,c

WEEK 6				
Feb 14	1,2,3	Soldering Skills Soldering Surface-Mount J-Lead Components, Continuous Flow Method 7.4.2	Read 7.4.2 under the Soldering Skills folder.	5, a,c
15	1,3	<a href="#">START Solder Project #2</a> <a href="#">Deluxe SMD Learn to Solder Kit</a>	<a href="#">TURN IN Solder Project #1</a> <a href="#">START Solder Project #2</a> <a href="#">Deluxe SMD Learn to Solder Kit</a>	1,2,5, a,c
16	1,3	This weekly e-mail should verify you have started your second project.	<a href="#">Post to Discussion Board #4</a> <a href="#">E-mail your weekly project status</a>	a,c
20	1,3	Soldering Skills Soldering Surface-Mount J-Lead Components, Hot Gas Method 7.4.3	Read 7.4.3 under the Soldering Skills folder.	5, a,c
WEEK 7				
Feb 21	1,3	Soldering Skills Soldering Surface-Mount Gull Wing Components, Point-To-Point Method 7.5.1	Read 7.5.1 under the Soldering Skills folder.	5, a,c
22	1,3	Soldering Skills Soldering Surface-Mount Gull Wing Components, Continuous Flow Method 7.5.2	Read 7.5.2 under the Soldering Skills folder.	5, a,c
23	1,3		<a href="#">Reply to Discussion Board #4</a> <a href="#">E-mail your weekly project status</a>	a,c
27	1,3	Soldering Skills Soldering Surface-Mount Gull Wing Components, Hot Gas Method 7.5.3	Read 7.5.3 under the Soldering Skills folder.	5, a,c
WEEK 8				
Feb 28		<a href="#">Mid-Term Exam</a>	<a href="#">Do Mid-Term Exam on Blackboard</a>	1,2,4,5, a,c
Mar 1	1,3,4	Rework Skills Component Removal of Through-Hole Components, Vacuum Method 8.1.1 (Rework Skills are in the Assignments folder under the Course Work Tab)	Read 8.1.1 under the Rework Skills folder.	1,3, a,c
2	1,2,4	<a href="#">START Solder Project #3</a> <a href="#">AM/FM Radio Kit</a> <b>MID-TERM</b>	<a href="#">TURN IN Solder Project #2</a> <a href="#">Post to Discussion Board #5</a> <a href="#">START Solder Project #3</a>	1,2,4, a,c
6	1,2,4	This weekly e-mail should verify you have started your third project.	<a href="#">E-mail your weekly project status</a>	a,c
WEEK 9				
Mar 7	1,2,4	Rework Skills Component Removal of Through-Hole Components, Solder Fountain Method 8.1.2	Read 8.1.2 under the Rework Skills folder.	3, a,c
8	1,2,4	Rework Skills Component Removal of Surface-Mount Components, Forked Tip Method 8.2.1	Read 8.2.1 under the Rework Skills folder.	3, a,c
9	1,2,4	<a href="#">CONTINUE Solder Project #3</a> <a href="#">AM/FM Radio Kit</a>	<a href="#">Reply to Discussion Board #5</a> <a href="#">Post to Discussion Board #6</a>	1,2,4, a,c
13	1,2,4	This weekly e-mail should update your status of your third project.	<a href="#">E-mail your weekly project status</a> (which step you are on, issues, etc.)	a,c

WEEK 10				
Mar 14	1,2,4	Rework Skills Component Removal of Surface-Mount Components, Hot Tweezer Method 8.2.2 <b>60% Semester Point</b>	Read 8.2.2 under the Rework Skills folder.	3, a,c
15	1,2,4	Rework Skills Component Removal of Surface-Mount J-Lead Components, Conduction Method 8.3.1	Read 8.3.1 under the Rework Skills folder.	3, a,c
16	1,2,4	<b>CONTINUE Solder Project #3</b> <b>AM/FM Radio Kit</b>	<b>Reply to Discussion Board #6</b> <b>Post to Discussion Board #7</b>	1,2,4, a,c
20	1,2,4	This weekly e-mail should update your status of your third project. <b>65% Drop Deadline for Classes</b>	<b>E-mail your weekly project status</b> (which step you are on, issues, etc.)	a,c
WEEK 11				
Mar 21	1,2,4	Rework Skills Component Removal of Surface-Mount J-Lead Components, Hot Gas/Air Method 8.3.2	Read 8.3.2 under the Rework Skills folder.	3, a,c
22	1,2,4	Rework Skills Component Removal of Surface-Mount Gull Wing Components, Conduction Method 8.4.1	Read 8.4.1 under the Rework Skills folder.	3, a,c
23	1,2,4	<b>CONTINUE Solder Project #3</b> <b>AM/FM Radio Kit</b>	<b>Reply to Discussion Board #7</b> <b>Post to Discussion Board #8</b>	1,2,4, a,c
27	1,2,4	This weekly e-mail should update your status of your third project.	<b>E-mail your weekly project status</b> (which step you are on, issues, etc.)	a,c
WEEK 12				
Mar 28	1,2,4	Rework Skills Component Removal of Surface-Mount Gull Wing Components, Hot Gas/Air Method 8.4.2	Read 8.4.2 under the Rework Skills folder.	3, a,c
29	1,2,3,4	<b>CONTINUE Solder Project #3</b>		1-5, a,c
30	1,2,3,4	<b>CONTINUE Solder Project #3</b> <b>SPRING ACTIVITY DAY - Swainsboro</b>	<b>Reply to Discussion Board #8</b> <b>Post to Discussion Board #9</b>	1-5, a,c
Apr 3	1,2,3,4	<b>CONTINUE Solder Project #3</b>		
WEEK 13				
Apr 4	1,2,3,4	<b>CONTINUE Solder Project #3</b>		1-5, a,c
5	1,2,3,4	<b>CONTINUE Solder Project #3</b>		1-5, a,c
6	1,2	<b>CONTINUE Solder Project #3</b> <b>AM/FM Radio Kit</b> <b>SPRING ACTIVITY DAY - Vidalia</b>	<b>Reply to Discussion Board #9</b> <b>Post to Discussion Board #10</b>	1,2,4, a,c
10	1,2	This weekly e-mail should update your status of your third project.	<b>E-mail your weekly project status</b> (which step you are on, issues, etc.)	a,c



WEEK 14				
Apr 11	1,2	CONTINUE <a href="#">Solder Project #3</a>		1,2,4, a,c
12	1,2	CONTINUE <a href="#">Solder Project #3</a>		1,2,4, a,c
13	1,2	CONTINUE <a href="#">Solder Project #3</a>	<a href="#">Reply to Discussion Board #10</a>	1,2,4, a,c
17	1,2	This weekly e-mail should update your status of your third project.	<a href="#">E-mail your weekly project status</a> PROCTURED EVENT DAY	a,c
WEEK 15				
Apr 18	1,2	CONTINUE <a href="#">Solder Project #3</a>	TURN IN <a href="#">Solder Project #3</a> PROCTURED EVENT DAY	1,2,4, a,c
19	1,2	CONTINUE <a href="#">Solder Project #3</a>	TURN IN <a href="#">Solder Project #3</a> PROCTURED EVENT DAY	1,2,4, a,c
20	1,2	CONTINUE <a href="#">Solder Project #3</a>	TURN IN <a href="#">Solder Project #3</a>	1,2,4, a,c
24	1,2	CONTINUE <a href="#">Solder Project #3</a> SEMESTER ENDS	TURN IN <a href="#">Solder Project #3</a>	1,2,4, a,c
FINALS WEEK				
Apr 26		Course Completed – No Activity on Final Days		
Apr 27		Course Completed – No Activity on Final Days		

### Chapter / Lesson Key:

- |  |                                       |
|--|---------------------------------------|
| 1 – Basic Procedures                   | 2 – Through-Hole Soldering Techniques |
| 3 – Surface Mount Soldering Techniques | 4 – De-soldering Techniques           |

### \* Competency Areas:

#### Electronics Technology Competency Areas:

- |                     |                             |
|---------------------|-----------------------------|
| 1. Safety Practices | 4. Anti-Static Grounding    |
| 2. Soldering        | 5. Surface Mount Techniques |
| 3. Desoldering      |                             |

#### General Core Competency Areas:

- |   |   |
|---|---|
| a. The ability to utilize standard written English. | problems.   |
| b. The ability to solve practical mathematical      | c. The ability to read, analyze, and interpret information. |

### **IMPORTANT REMINDERS CONCERNING ASSIGNMENTS:** *(Students are responsible for all information contained in this lesson plan).*

- **Assignments:** This lesson plan is subject to change at instructor's discretion. All assignments must be submitted and completed by the due dates listed above to receive credit.....so manage your time wisely each week. Missing assignments receive a grade of zero.
- **Videos:** The course videos contain useful supplemental information for the course.