

# Course SLO Assessment Report - 4-Column

## El Camino College

### El Camino: Course SLOs (IND) - Electronics and Computer Hardware and Technology

Course SLOs	Assessment Methods & Standard and Target for Success / Tasks	Results	Action & Follow-Up
<p>El Camino: Course SLOs (IND) - Electronics and Computer Hardware and Technology - ECC: ECHT 11 - Introduction to Electronics - SLO #1 Measuring Voltages and Currents - Measuring Voltage and Current The student will make basic “in-circuit” measurements: Alternating Current/Direct Current (AC/DC), Voltages and Currents, and Resistance, using both a Bench and Portable Digital Multimeter (DMM) (Created By El Camino: Course SLOs (IND) - Electronics and Computer Hardware and Technology)</p> <p><b>Course SLO Assessment Cycle:</b> 2014-15 (Fall 2014) 2017-18 (Fall 2017)</p> <p><b>Input Date:</b> 11/12/2013</p> <p><b>Course SLO Status:</b> Active</p>	<p><b>Assessment Method Description:</b> Students will be given a test circuit where they will use a DMM, Digital Multimeter, to make in-circuit measurements, selecting the most accurate settings and ranges as needed to obtain a useful measurements of: AC/DC voltage,current, and resistance</p> <p><b>Assessment Method:</b> Performance</p> <p><b>Standard and Target for Success:</b> The goal of this standard to achieve at least 75% Mastery</p> <p>3 Mastery Level (100-90%) Clearly identifies trends/patterns in data yielded through measurements Develops “solid” conclusions based on data obtained from circuit measurements</p> <p>2 Partial Mastery(89-70%) Somewhat identifies trends/patterns in data yielded through measurements Develops conclusions based on data obtained from circuit measurements</p> <p>1 Non Mastery (69-0%) Can not” identify trends/patterns in data yielded through measurements “Can not” develop conclusions based on data obtained from circuit measurements</p>	<p>04/01/2014 - See related document ECHT 11.1 ASSESSMENT - 13 FALL</p> <p><b>Standard Met? :</b> Yes</p> <p><b>Semester and Year Assessment Conducted:</b> 2013-14 (Fall 2013)</p> <p><b>Faculty Assessment Leader:</b> Steve Cocca</p> <p><b>Related Documents:</b> <a href="#">ECHT 11.1 assessment - 13 fall.doc</a></p>	
<p>El Camino: Course SLOs (IND) - Electronics and Computer Hardware and Technology - ECC: ECHT 148 - CompTIA Security+ Certification Preparation for Computer Hardware Systems - SLO #1 Course Notebook - The students will assemble and maintain a five-section course notebook. (Created By El Camino: Course SLOs (IND) - Electronics and Computer Hardware and Technology)</p> <p><b>Course SLO Assessment Cycle:</b> 2014-15 (Spring 2015)</p> <p><b>Input Date:</b> 11/12/2013</p>	<p><b>Assessment Method Description:</b> Students will be given a variety of security based lab assignments requiring the ability to work in diverse teams of at least three students per team. The lab assignments will consist of the execution of a variety of security software tasks, observing and recording the resultant outcomes, and assembling and testing security based hardware components for correct operational condition and function, and also fixing any noticed security based hardware and software errors when they are encountered and observed</p> <p><b>Standard and Target for Success:</b></p>	<p>03/27/2014 - 17 students participated in this assessment data. Of the 17 students, 6 of the students’ attained results in the 100-90% accuracy level range; 4 of the students’ attained results in the 89-79% accuracy level range; 6 of the students attained results with at least a 78-67% accuracy level range; and 1 of the students attained results in the 66-54% accuracy level range.</p> <p>The data observed shows a pattern of high student achievement with 35% of the students submitted results with a 100-90% accuracy; while 24% of the students submitted results with at least 89-79% accuracy; 35% of the students submitted results with at least 78-67% accuracy. As the data shows, approximately 59% of the</p>	

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<p><b>Course SLO Status:</b> Active</p>	<p>Students will be assessed on a "4" to "0" scale.  A "4" will indicate a 100-90% mastery level.  A "3" will indicate a 89-79% mastery level.  A "2" will indicate a 78-67% mastery level.  A "1" will indicate a 66-54% mastery level.  And, a "0" will indicate a 54-0% mastery level.</p>	<p>students had a high mastery level, while 35% had an acceptable mastery in the assessment measurement. The remaining 6% with a mastery level that needs improvement should improve with the addition of further course work and more studying of the core materials.</p> <p><b>Standard Met? :</b> Yes</p> <p><b>Semester and Year Assessment Conducted:</b> 2013-14 (Fall 2013)</p> <p><b>Faculty Assessment Leader:</b> John Ruggirello</p>	