



Course SLO Assessment Report - 4-Column

El Camino College

El Camino: Course SLOs (IND) - Architecture

Course SLOs	Assessment Methods & Standard and Target for Success / Tasks	Results	Action & Follow-Up
<p>El Camino: Course SLOs (IND) - Architecture - ECC: ARCH 100 - An Orientation to Architecture - SLO #1 Urban and Social Environment - Given lecture information, worksheet examples and in-class discussion, students will be able to demonstrate how architecture shapes the urban and social environment on global and local scales. (Created By El Camino: Course SLOs (IND) - Architecture)</p> <p>Course SLO Assessment Cycle: 2013-14 (Spring 2014) 2015-16 (Fall 2015)</p> <p>Input Date: 11/29/2013</p> <p>Course SLO Status: Active</p>	<p>Assessment Method Description: Students will be given a 10 page, term paper essay to write describing how the design of architecture creates better environments to live and work in. The student will give examples of actual places where this has occurred. The student will also give their opinion on why the design they chose had the effect on the people living and/or working in the space.</p> <p>Assessment Method: Essay/Written Assignment</p> <p>Standard and Target for Success: The student who writes a complete, (and grammatically correct,) paper that picks a specific architectural space or design, and addresses how that particular design shaped the urban and social environment it surrounds, will receive a grade of 4. If the student addresses the requirements of the paper but does not write 10 full pages they will be given a score of 4. If the student does not site a specific existing architectural design or space to make their point, they will be given a score of 3. If the student does not finish the paper or give specific architectural examples and has grammar or spelling errors, they will be given a grade of 2. If they do not turn in anything they will be given a grade of 1.</p>	<p>09/25/2014 - Paper due on 4:07:2014 - out of 26 students who wrote the term paper, 19 received a 4, 3 received a score of 3, 4 received a score of 2. There were no students below a score of 2.</p> <p>Standard Met? : Yes</p> <p>Semester and Year Assessment Conducted: 2013-14 (Spring 2014)</p> <p>Faculty Assessment Leader: Mike Stallings</p> <p>Faculty Contributing to Assessment: Mike Stallings</p> <p>Reviewer's Comments: Maybe I could have them read some good examples of how a well written paper should read.</p>	
<p>El Camino: Course SLOs (IND) - Architecture - ECC: ARCH 100 - An Orientation to Architecture - SLO #2 Becoming an Architect - Given lecture information, worksheet examples and in-class discussion, students will be able to demonstrate knowledge of the education necessary, internship and licensing procedures to become a professional architect. (Created By El Camino: Course SLOs (IND) - Architecture)</p> <p>Course SLO Assessment Cycle: 2013-14 (Spring 2014) 2015-16 (Fall 2015)</p> <p>Input Date: 11/29/2013</p> <p>Course SLO Status: Active</p>	<p>Assessment Method Description: The assessment consists of a test where the student has to answer questions regarding the Education, Internship and Testing a candidate needs to go through to obtain a License to practice architecture.</p> <p>Assessment Method: Exam/Test/Quiz</p> <p>Standard and Target for Success: Students answering all 3 questions right will receive a score of 3. Students answering 2 questions right will receive a score of 2. Students answering 1 question right will receive a score of 1. Students answering 0 questions right will receive a score of 0.</p>	<p>09/25/2014 - On a test given on 3-20-2014, out of 26 students who took the test, 22 scored a perfect 3, 3 scored a 2 and 1 student scored a 1.</p> <p>Standard Met? : Yes</p> <p>Semester and Year Assessment Conducted: 2013-14 (Spring 2014)</p> <p>Faculty Assessment Leader: Mike Stallings</p> <p>Faculty Contributing to Assessment: Mike Stallings</p>	
El Camino: Course SLOs (IND) - Architecture -			

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<p>ECC: ARCH 100 - An Orientation to Architecture - SLO #3 Careers Connected to Architecture - Given lecture Information and classroom discussions, students will have knowledge of parallel vocations that a student with an education in architecture could pursue after their education is complete, if they choose not to pursue a career as an architect. (Created By El Camino: Course SLOs (IND) - Architecture)</p> <p>Course SLO Assessment Cycle: 2013-14 (Spring 2014) 2015-16 (Fall 2015)</p> <p>Input Date: 11/29/2013</p> <p>Course SLO Status: Active</p>	<p>Assessment Method Description: Students will be given a test to show their knowledge of what vocations, (other than becoming an architect,) a person who has an education in the field of architecture can pursue.</p> <p>Assessment Method: Exam/Test/Quiz</p> <p>Standard and Target for Success: Students who give information regarding 10 vocations reviewed in lecture, that architecture students can pursue will receive a score of 3. Students who can answer with 6-9 vocations will receive a score of 2. Students who can answer with 3-5 vocations will receive a score of 1. Students who answer under three will receive a score of 0.</p>	<p>09/25/2014 - On 5-01-2014 a test was given to 26 students in an Architecture 100 class where the students had to name 10 vocations that a student with architectural education could pursue, other than becoming an architect. 23 students received a score of 3, 3 students received a score of 2, and there were no students below the score of 2.</p> <p>Standard Met? : Yes</p> <p>Semester and Year Assessment Conducted: 2013-14 (Spring 2014)</p> <p>Faculty Assessment Leader: Mike Stallings</p> <p>Faculty Contributing to Assessment: Mike Stallings</p>	
<p>El Camino: Course SLOs (IND) - Architecture - ECC: ARCH 121 - Three-Dimensional Architectural Computer Aided Design - SLO #1 Construction Documents - By the conclusion of the course, students should be able to:</p> <ul style="list-style-type: none"> Understand basic concepts of Revit Architecture 2014 Create a 3D Revit model to generate building plans, sections, elevations and 3D views Understand basic concepts of detail and schedule creation Understand basic concepts of stair and curtain wall creation Understand basic concepts of creating parametric families Create simple renderings and shadow studies Understand how Revit is used in a professional office setting <p>(Created By El Camino: Course SLOs (IND) - Architecture)</p> <p>Course SLO Assessment Cycle: 2013-14 (Summer 2014)</p> <p>Input Date: 11/29/2013</p> <p>Course SLO Status: Active</p>	<p>Assessment Method Description: Students are expected follow directions from the assigned text to create a 3-story commercial office building and generate construction documents including floor plans, sections, interior and exterior elevations, details, door, window and room schedules; and 3D views of the interior and exterior of the building Students are expected to create sheets with titleblocks for each of these tasks, which will be assigned a point value based on the complexity of the drawing totaling 100 points.</p> <p>Assessment Method: Project</p> <p>Standard and Target for Success: Based on Percentage, it is expected that 85% of the class will be able to produce most of the drawing assignments for the class project to earn 70 points minimum in this course for a passing grade of C (70%).</p>	<p>09/29/2014 - For the Summer 2014 ARCH 121 class:</p> <ul style="list-style-type: none"> 28 students out of 30 (93%) earned 70 points or more to achieve a passing grade of C or better. 67% of the class earned 90 points or more to achieve an A in the class. 17% of the class earned up to 80 points to achieve a B in the class. 10% of the class earned up to 70 points to achieve a C in the class. 2% of the class earned less than 70 points to achieve a D or F in the class. <p>Standard Met? : Yes</p> <p>Semester and Year Assessment Conducted: 2013-14 (Summer 2014)</p> <p>Faculty Assessment Leader: Michael Stallings</p> <p>Faculty Contributing to Assessment: James Lemmon</p>	<p>12/11/2015 - The Architecture Program at El Camino College should omit the ACAD prerequisite for this class because ACAD is no longer the standard for producing construction documents AND ACAD is not useful for learning Revit/BIM. ECC should offer more classes in Revit as there is great demand for Revit skills because it is the software used by most architecture and engineering firms to produce their construction documents. Building Information Models (BIMs) are required for most projects greater than 10,000 SF by building owners. Revit/BIM is the industry standard and should be emphasized in our program. SLO Assessment Process: Needed changes to the SLO statement or assessment process based on results.</p> <hr/> <p>Action Category: Program/College Support</p> <hr/> <p>12/11/2015 - The latest version of the Autodesk software for this course should be taught every year to ensure our students are keeping up with the A&E industry standards. Revit 2015 should be taught in Summer and Fall semesters of 2015, for example.</p>

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			<p>Action Category: Curriculum Changes</p> <hr/> <p>05/15/2015 - Improvements in teaching strategies include asking students specific questions during lectures to determine if they understand the material rather than just reviewing their drawings.</p> <p>Action Category: Teaching Strategies</p> <hr/> <p>08/15/2014 - Grade assignments on a weekly basis (each chapter form text)</p> <p>Action Category: SLO/PLO Assessment Process</p> <hr/>
<p>El Camino: Course SLOs (IND) - Architecture - ECC: ARCH 170 - Architectural Graphics Techniques - SLO #1 Graphic Tools - Given lecture information, handouts and in-class discussion, students will be able to demonstrate the ability to delineate the entourage necessary to illustrate an architectural presentation drawing. The student will be knowledgeable in the use of various graphic tools that architects use in their office to delineate presentation drawings. (Created By El Camino: Course SLOs (IND) - Architecture)</p> <p>Course SLO Assessment Cycle: 2013-14 (Spring 2014) 2015-16 (Fall 2015)</p> <p>Input Date: 11/29/2013</p> <p>Course SLO Status: Active</p>	<p>Assessment Method Description: Graphic Test given 3-19-2014 - Given a basic site plan drawing that has edges that defines 4 major entourage elements; trees, shrubs, buildings and vehicles. Render and delineate entourage to go inside of the geometric areas defined to draw them in.</p> <p>Assessment Method: Presentation/Skill Demonstration</p> <p>Standard and Target for Success: Students graphically drawing All of the entourage were assigned a 4. If they rendered 3 out of the four entourage elements they were given a score of 3. If they rendered 2 out of the 4 they were given a grade of 2. If they rendered 1 out of the 4 they were given a grade of 1.</p>	<p>09/25/2014 - The results of testing the 24 students in this section is as follows; 17 out of 24 got 4, 4 got 3, 3 got 2, no students scored below a 2.</p> <p>Standard Met? : Yes</p> <p>Semester and Year Assessment Conducted: 2013-14 (Spring 2014)</p> <p>Faculty Assessment Leader: Mike Stallings</p> <p>Faculty Contributing to Assessment: Mike Stallings</p> <p>Reviewer's Comments: Maybe have students work on practicing drawing the harder to draw, entourage objects, before taking the test</p>	
<p>El Camino: Course SLOs (IND) - Architecture - ECC: ARCH 170 - Architectural Graphics Techniques - SLO #2 Orthographic Projection - Given lecture material, students will be able to orthographically project elevation and section views of buildings from plan views of said building. (Created By El Camino: Course SLOs (IND) - Architecture)</p> <p>Course SLO Assessment Cycle: 2013-14 (Spring 2014)</p>	<p>Assessment Method Description: This assessment consists of orthographically projecting, using a pencil on paper, exterior elevations of a building, projected up from a floor plan with door and window locations and roof plan information drawn on it.</p> <p>Assessment Method: Presentation/Skill Demonstration</p> <p>Standard and Target for Success: Students projecting the walls, doors, windows and roof properly were given a 4. The Students</p>	<p>09/25/2014 - Exam given on 4:10:2014 Of the 24 students tested 18 were given a score of 4, 3 were given a score of 3, 3 were given a score of 2. There were no students below a score of 2.</p> <p>Standard Met? : Yes</p> <p>Semester and Year Assessment Conducted: 2013-14 (Spring 2014)</p> <p>Faculty Assessment Leader: Mike Stallings</p> <p>Faculty Contributing to Assessment:</p>	

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2015-16 (Fall 2015) Input Date: 11/29/2013 Course SLO Status: Active	projecting everything but the roof were given a 3, the students who just projected the walls, but no windows, door or roof, were given a 2 and the students who did not project anything were given a 1.	Mike Stallings Reviewer's Comments: Need to assign more sketchbook exercises on drawing roofs in elevation.	
El Camino: Course SLOs (IND) - Architecture - ECC: ARCH 170 - Architectural Graphics Techniques - SLO #3 Illumination - Given lecture material, handouts and classroom discussion, students will be able to illuminate objects in plan, elevation and perspective so as to show materials in illuminated form as well as showing shade and shadow forms. (Created By El Camino: Course SLOs (IND) - Architecture) Course SLO Assessment Cycle: 2013-14 (Spring 2014) 2015-16 (Fall 2015) Input Date: 11/29/2013 Course SLO Status: Active	Assessment Method Description: A Graphic Test was given for the final exam that had a building drawn in plan, elevation and perspective. The students were to delineate materials on the different planes and show what those materials looked like in their illuminated state, what they would look like in the shade and what the materials on the wall or ground planes behind them would look like in the shade. Assessment Method: Presentation/Skill Demonstration Standard and Target for Success: Students who delineate each drawing correctly in illumination, shade and shadow will score a 4. Students who drew illumination and shade on drawings, but no shadow, were given a 3. Students who just drew the materials in illuminated state, without shade or shadow, were given a score of 2, Students who did not draw anything correct were given a score of 1.	09/25/2014 - Exam given on 5-06-2014 -Of the 24 students who took the test, 12 scored a perfect 4, 8 scored a 3, 4 scored a 2 and no student scored below a 2. Standard Met? : Yes Semester and Year Assessment Conducted: 2013-14 (Spring 2014) Faculty Assessment Leader: Mike Stallings Faculty Contributing to Assessment: Mike Stallings Reviewer's Comments: More review needs to be given on how to render different drawings in plan, elevation and perspective drawing types. Maybe more practice problems given in their sketchbook prior to test.	