### ECC: ARCH 104 - History of Western Architecture - SLO #1 Important Buildings

**Course SLOs 1 and ctu.unitid = 745**

<table>
<thead>
<tr>
<th>Assessment Method Description:</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>The planned SLO assessment is broken down into four course grades each representing 25% of the final grade. The first grade is an in class participation grade based on completion of in class assignments, pop quizzes and midterm preparation. The second, third and fourth grades are based on three non-cumulative midterms covering the first, second and third sections of the course material.</td>
<td>04/02/2015 - 90% of the students scored 75% or above on the in class participation 62% of the students scored 75% or above on the first midterm 67% of the students scored 75% or above on the second midterm 76% of the students scored 75% or above on the third midterm</td>
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<tr>
<td>Assessment Method:</td>
<td>Action &amp; Follow-Up</td>
</tr>
<tr>
<td>Exam/Test/Quiz</td>
<td>04/02/2016 - Continue to monitor test scores for student success and outcomes.</td>
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<tr>
<td>Standard and Target for Success:</td>
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<tr>
<td>The standard target for success is for 75% of the students to score 75% or above on this SLO.</td>
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**Course SLO Assessment Cycle:**

2014-15 (Fall 2014)

**Input Date:**

04/01/2015

**Course SLO Status:**

Active

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### ECC: ARCH 121 - Three-Dimensional Architectural Computer Aided Design - SLO #2 3D Modeled Office Building - Using Revit software, students will create a detailed 3D computer model of a 3-story office building complete with floor plans, RCPs, building sections, interior and exterior elevations, details, and schedules as well as photo realistic renderings. Students will use Building Information Modeling (BIM) in design, analysis and documentation of their buildings.

**Assessment Method Description:**

Students will follow directions from the textbook to create a 3D computer model (BIM) of a 3-story office building that includes the following:

1. 1st, 2nd and 3rd Floor Plans
2. 1st Floor Reflected Ceiling Plan
3. Building Elevations
4. Building Sections
5. Wall Sections
6. Door and Room Schedule
7. Enlarged Plans of Restrooms & Break Room
8. Interior Elevations of Restrooms & Break Room
9. Axonometric Views of Restrooms & Break Room
10. Building Details using 2D linework and detail components
11. Perspective Views of Open Office and Lobby
12. Perspective Views of Building Exterior

Each of these "views" will be assembled on sheets/titleblocks in their BIM/Revit model and graded by the instructor at the student’s computer.

**Assessment Method:**

Project

**Results**

12/06/2014 - Based on Percentage, it is expected that 80% 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%). 29 students out of 33 (88%) earned 70 points or more to achieve a passing grade of C or better, 4 students out of 33 (12%) earned less than 70 points to achieve a D or F.

**Standard Met?**

Yes

**Semester and Year Assessment Conducted:**

2014-15 (Fall 2014)

**Faculty Assessment Leader:**

Dan Richardson

**Faculty Contributing to Assessment:**

James Lemmon

**Action Category:**

Teaching Strategies

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### Course SLOs Assessment Cycle 2014-15 (Fall 2014) 2017-18 (Fall 2017)

**Input Date:** 11/29/2013  
**Course SLO Status:** Active

### Course SLO 1 and ctu.unitid = 745

<table>
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<tr>
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<th>Results</th>
<th>Action &amp; Follow-Up</th>
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| **Standard and Target for Success:**  
By the conclusion of the course:  
80% of the students should be able to complete each of the 12 assessments with a grade of A;  
5% will complete 10/12 assessments for a grade of B;  
5% will complete 8/12 assignments for a grade of C;  
5% will complete 6/12 assignments for a grade of D;  
the remaining 5% will not complete a sufficient number of assignments to pass. | 03/26/2015 - The assessment is based on technique, quality, accuracy, and completeness related to a completed set of architectural drawings, submitted at the beginning of week 16. With 30 students submitting projects; 9 (30%) scored 90% or better, 14(47%) scored 70% to 89%. 7 (23%) scored below 70%  
**Standard Met? :** No  
**Semester and Year Assessment Conducted:** 2014-15 (Fall 2014)  
**Faculty Assessment Leader:** Dan Richardson  
**Faculty Contributing to Assessment:** Bruce Cook  
**Reviewer's Comments:** Students entering the class this semester appeared to have weaker math skills than those of prior classes. Prior classes have met the expected performance standard. At this time I plan to continue using the exam. | 04/06/2016 - The results of this course are likely an anomaly. At this point in time, the plan is to continue the current curriculum and monitor the test scores of future classes for student success and outcomes.  
**Action Category:** Teaching Strategies |

### Course SLO 15A - Architectural Drafting I - SLO #1 Lines and Lettering - Upon completion of a beginning course of study in architecture drawing, a student will develop an architectural drawing technique of Lines and Lettering to create a series of drawings.

**Assessment Method Description:** A set of architectural drawings for a one story house, including site plan, roof plan, floor plan and building sections and elevations  
**Assessment Method:** Project  
**Standard and Target for Success:**  
15% of the students will complete the assessment with 90% or above  
75% of the students will complete the assessment with 70% to 90%  
03/31/2015 - Scores ranged from a low of 48% to a high of 92%, with an mean of 76%. 17 students sat for the exam. 9 of those students (53% of the class) received a score of 75% or better.  
**Standard Met? :** No  
**Semester and Year Assessment Conducted:** 2014-15 (Fall 2014)  
**Faculty Assessment Leader:** Dan Richardson | 04/03/2016 - Continue to monitor test scores for student success and outcomes.  
**Action Category:** Teaching Strategies |

### Course SLO 158 - Structures Analysis-Timber - SLO #1 Beams and Lateral Bracing - Given lecture information, handouts and in-class discussion, students will be able to demonstrate the knowledge of the function of structural components in residential buildings. Students will be able to calculate the size of beams, columns and lateral bracing systems of light framed wood structures.

**Assessment Method Description:** 25 question multiple-choice exam.  
**Assessment Method:** Exam/Test/Quiz  
**Standard and Target for Success:** Based on percentage it is expected that 85% of the students will score 75% or above on this SLO.  
03/31/2015 - Scores ranged from a low of 48% to a high of 92%, with an mean of 76%. 17 students sat for the exam. 9 of those students (53% of the class) received a score of 75% or better.  
**Standard Met? :** No  
**Semester and Year Assessment Conducted:** 2014-15 (Fall 2014)  
**Faculty Assessment Leader:** Dan Richardson  
**Reviewer's Comments:** Students entering the class this semester appeared to have weaker math skills than those of prior classes. Prior classes have met the expected performance standard. At this time I plan to continue using the exam and continue to monitor test scores for student success and outcomes. | 04/03/2016 - Students entering the class this semester appeared to have weaker math skills than those of prior classes. Prior classes have met the expected performance standard. At this time I plan to continue using the exam.  
**Action Category:** Teaching Strategies |

### ECC: ARCH 171 - Architectural Three-Dimensional Illustration - SLO #1 Three Dimensional Drawings - Given lecture information, handouts and in-class discussion, students will have to demonstrate how to accurately lay out numerous types of three dimensional drawing types.

12/04/2014 - Final Exam given on December 4, 2014 - Of the 18 students tested; 15 were given a score of 3, 3 were given a score of 2 and 0 was given a score of 1.  
**Standard Met? :** No  
**Semester and Year Assessment Conducted:** 2014-15 (Fall 2014)  
**Faculty Assessment Leader:** Dan Richardson  
**Reviewer's Comments:** Students entering the class this semester appeared to have weaker math skills than those of prior classes. Prior classes have met the expected performance standard. At this time I plan to continue using the exam and continue to monitor test scores for student success and outcomes. | 04/02/2016 - Continue to monitor test scores for student success and outcomes.  
**Action Category:** Teaching Strategies |
students will be able to demonstrate the ability to draw and delineate numerous three dimensional drawings such as Isometrics, Axonometrics, Obliques, One, Two and Three Point Perspectives.

### Course SLO Assessment Cycle:
- 2014-15 (Fall 2014)
- 2018-19 (Fall 2018)

### Input Date:
11/29/2013

### Course SLO Status:
Active

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### Assessment Methods & Standard and Target for Success / Tasks
- **Assessment Method:** Presentation/Skill Demonstration
- **Standard and Target for Success:** Students who orthographically project the drawing correctly and get the measurements of each side correctly drawn will receive a grade of 3. Students who orthographically project the drawing correctly but get the measurements of the sides wrong will receive a grade of 2. Students who do not orthographically project the drawing correctly and do not get the measurements right will receive a grade of 1.

### Results
- **Yes**

### Action & Follow-Up
- **Semester and Year Assessment Conducted:** 2014-15 (Fall 2014)
- **Faculty Assessment Leader:** Mike Stallings
- **Action Category:** Teaching Strategies