

# Assessment: Reporting Unit Four Column

## Construction Management - B.S.

<i>Objectives</i>	<i>Assessment Methods</i>	<i>Results/Observations</i>	<i>Meaningful Changes</i>
<p><b>16-20 PLLO 1: Written Communication</b> - Create written communications appropriate to the construction discipline.  <b>Objective Status:</b> Active  <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Communication Skills Learning Objective, Program-Level Learning Objectives (PLLO)</p>	<p>CON 325: Create Bid Package Summary Sheet, Use AIC Writing Guide.  <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. SLO Analysis/Course Analysis/ Program Analysis            Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.</p>	<p><b>Result Status:</b> Result Closed-No further action needed  <b>Result/Observation Type:</b> Strength            Direct Assessment:            Spring 2016: 79.41%            Criteria - 70% of students meet 70% on this assessment method (Bid Package Summary Sheet) (9/30/2016).             Indirect Assessment:            Spring 2016: 4.50 out of 5.            Criteria - Average of 3.5 Points out of a 5 point senior student survey (9/30/2016). (04/26/2017)  <b>Related Documents:</b>  <a href="#">SLO 1 - Assignment.doc</a>  <a href="#">SLO 1 - Format Guide.pdf</a>  <a href="#">SLO 1 - Grading Rubric.xlsx</a></p>	<p><b>Meaningful Changes:</b> 1) Direct Assessment indicates that students meet the standard and is acceptable. Students underperformed on AIC Exam (9/20/2016).            Require AIC guide written information to be used in their bid summary sheet preparation.            2) Reviewed AIC Exam results and they indicate that ECU is slightly below national average, however this exam is multiple choice and it is trying to assess at the create level, which according to AIC this is not a fair or reasonable way for assessment.            3) Indirect assessment indicated that this learning objective meets our established standards (9/20/2016).             Evidence for Change: Fall 2015, required students to do Bid Package Assignment using AIC guide for format and outline.             (04/26/2017)</p>
	<p>Survey: Senior Student Survey  <b>Criterion:</b> At Least 70% of Students</p>		

Objectives	Assessment Methods	Results/Observations	Meaningful Changes
	<p>Will Score 70% or Higher on Scoring Rubric. Schedule: Annually.</p> <p><b>Schedule:</b> Annually <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>		
<p><b>16-20 PLLO 2: Oral Communication -</b> Create oral presentations appropriate to the construction discipline. <b>Objective Status:</b> Active <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Communication Skills Learning Objective, Program-Level Learning Objectives (PLLO)</p>	<p>CON 426: Schedule Update Defense / Estimating Presentation <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric. <b>Schedule:</b> Annually <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. SLO Analysis/Course Analysis/ Program Analysis</p> <p>Survey: Senior Student Survey. <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric. Schedule: Annually</p> <p><b>Schedule:</b> Annually. <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>		

Objectives	Assessment Methods	Results/Observations	Meaningful Changes
<p><b>16-20 PLLO 3: Safety Plan</b> - Student will create a safety plan  <b>Objective Status:</b> Active  <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Program-Level Learning Objectives (PLLO)</p>	<p>CON 499: Create Safety Plan using EM385  <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.  SLO Analysis/Course Analysis/  Program Analysis</p>	<p><b>Result Status:</b> Result Closed-No further action needed  <b>Result/Observation Type:</b> Strength  Direct Assessment:  Spring 2016: 80.11%  70% of students meet 70% on this Assessment method (Assignment) (9/30/2016)</p> <p>Reviewed AIC Exam results and they indicate that EKU is slightly below national average, however this exam is multiple choice and it is trying to assess at the create level, which according to AIC this is not a fair or reasonable way for assessment.</p> <p>Indirect Assessment:  Spring 2016: 4.50 out of 5.  Criteria - Average of 3.5 Points out of a 5 point senior student survey (9/30/2016).  Indirect assessment indicated that this learning objective meets our established standards (9/20/2016).  (04/26/2017)</p> <p><b>Related Documents:</b>  <a href="#">SLO3 Grading Rubric.pdf</a>  <a href="#">SLO 3 - Assignment.doc</a>  <a href="#">SLO 3 - Syllabus.doc</a></p>	<p><b>Meaningful Changes:</b> 1) Direct Assessment indicates that students meet the standard and is acceptable (9/20/2016). Students underperformed on AIC Exam (9/20/2016). Spring 2016, all students were required to complete 30 hour OSHA and develop Safey Plan using EM385.</p> <p>Spring 2016, all students were required to do Safety Plan and take 30 hour OSHA training.</p> <p>(04/26/2017)</p>
<p><b>16-20 PLLO 4: Construction Project</b> - Students will create a construction project cost estimate.  <b>Objective Status:</b> Active</p>	<p>CON 325: Concrete Bid Package  <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.</p>		

Objectives	Assessment Methods	Results/Observations	Meaningful Changes
<p><b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Program-Level Learning Objectives (PLLO)</p>	<p><b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.  SLO Analysis/Course Analysis/  Program Analysis</p>	<hr/>	<hr/>
	<p>Survey: Senior Student Survey  <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.</p>	<hr/>	<hr/>
	<p><b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>	<hr/>	<hr/>
<p><b>16-20 PLLO 5: Construction Project -</b> Students will create Construction Project Schedules  <b>Objective Status:</b> Active  <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Program-Level Learning Objectives (PLLO)</p>	<p>CON 426: Create a project schedule from scratch.  <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.  SLO Analysis/Course Analysis/  Program Analysis</p>	<hr/>	<hr/>
	<p>Survey: Senior Student Survey.  <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.</p>	<hr/>	<hr/>
	<p><b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management</p>	<hr/>	<hr/>

Objectives	Assessment Methods	Results/Observations	Meaningful Changes
<p><b>16-20 PLLO 6: Ethical Principles -</b> Students will analyze professional decisions based on ethical principles. <b>Objective Status:</b> Active <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Critical Thinking Learning Objective, Program-Level Learning Objectives (PLLO)</p>	<p>Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>	<p>CON425: Ethics homework and exams. <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric. <b>Schedule:</b> Annually <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. SLO Analysis/Course Analysis/ Program Analysis</p>	<p>Survey: Senior Student Survey. <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric. <b>Schedule:</b> Annually <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>
<p><b>16-20 PLLO 7: Construction Processes</b> - Students will analyze construction documents for planning and management of construction processes <b>Objective Status:</b> Active <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Critical Thinking Learning Objective,</p>	<p>CON 325: Masonry bid package. <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric. <b>Schedule:</b> Annually <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and</p>	<p>CON 325: Masonry bid package. <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric. <b>Schedule:</b> Annually <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and</p>	

Objectives	Assessment Methods	Results/Observations	Meaningful Changes
<p>Program-Level Learning Objectives (PLLO)</p>	<p>Technology Faculty. SLO Analysis/Course Analysis/ Program Analysis</p> <hr/> <p>Survey: Senior Student Survey. <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric. <b>Schedule:</b> Annually <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>		
<p><b>16-20 PLLO 8: Construct Projects -</b> Students will analyze methods, materials, and equipment used to construct projects. <b>Objective Status:</b> Active <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Critical Thinking Learning Objective, Program-Level Learning Objectives (PLLO)</p>	<p>CON 201: Exam CON 202: Exam <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric. <b>Schedule:</b> Annually <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. SLO Analysis/Course Analysis/ Program Analysis</p> <hr/> <p>Survey: Senior Student Survey. <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric. <b>Schedule:</b> Annually <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>		

Objectives	Assessment Methods	Results/Observations	Meaningful Changes
<p><b>16-20 PLLO 9:</b> - Students will apply construction management skills as an effective member of multi-disciplinary team.</p> <p><b>Objective Status:</b> Active</p> <p><b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Critical Thinking Learning Objective, Program-Level Learning Objectives (PLLO)</p>	<p>CON 425: CM Homework.</p> <p><b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.</p> <p>SLO Analysis/Course Analysis/ Program Analysis</p>	<p>Survey: Senior Student Survey.</p> <p><b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>	
<p><b>16-20 PLLO 10: Construction Process</b> - Students will apply electronic-based technology to manage the construction process.</p> <p><b>Objective Status:</b> Active</p> <p><b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Program-Level Learning Objectives (PLLO)</p>	<p>CON 425: Assignment 4 Resources.</p> <p><b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.</p> <p>SLO Analysis/Course Analysis/ Program Analysis</p>	<p>Survey: Senior Student Survey.</p> <p><b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.</p>	

Objectives	Assessment Methods	Results/Observations	Meaningful Changes
<p><b>16-20 PLLO 11: Surveying Techniques</b>            - Students will apply basic surveying techniques for construction layout and control.  <b>Objective Status:</b> Active  <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Program-Level Learning Objectives (PLLO)</p>	<p><b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p> <p>CON 320: Final Project  <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.</p>	<p><b>Result Status:</b> Result Closed-No further action needed  <b>Result/Observation Type:</b> Limitation            Revising assignment using AIC guide and student input. Group assignment which contributes to indirect not meeting SLO standard.</p> <p>Direct Assessment:            2) Reviewed AIC Exam results and they indicate that ECU is slightly below national average.            Spring 2016: 94%            70% of students meet 70% on this Assessment method (Project) (9/30/2016).</p> <p>Students under performed on AIC Exam 9/20/2016.</p> <p>Indirect Assessment:            3) Indirect assessment indicated that this learning objective does not meet our established standards (9/20/2016). Due to equipment resources the instructor is limited in his assessment. Revising assessment method to help improve Indirect method of assessment.            Spring 2016: 2.50 out of 5.            Criteria - Average of 2.5 Points out of a 5 point senior student survey (9/30/2016).</p> <p>Follow up: SLO is not acceptable at this time. Will reassess after assignment is revised to ensure group exercise shows each student's level of competency. Continued analysis of SLO each time the course is taught or at least annually. SLO is part of accreditation standard and is mandatory to assess. SLOs track and are assessed at least once per year (9/20/2016). Both Indirect and Direct assessment are being</p>	<p><b>Meaningful Changes:</b> In spring 2016, students were required to establish field controls, gather field data, process field information and export data to be used in field staking.</p> <p>Evidence for Change: Spring 2016, required students to do New Surveying assignment encompassing full process used by surveyor.</p> <p>(04/26/2017)</p>



Objectives	Assessment Methods	Results/Observations	Meaningful Changes
		<p>assessed annually. (04/26/2017)</p> <p><b>Related Documents:</b></p> <p><a href="#">SLO 11 - Direct Assessment Spreadsheet - Fall 2016.xlsx</a></p> <p><a href="#">slo 11 grading.pdf</a></p> <hr/> <p>Survey: Senior Student Survey.</p> <p><b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>	
<p><b>16-20 PLLO 12: Project Delivery -</b> Students will understand different methods of project delivery and the roles and responsibilities.</p> <p><b>Objective Status:</b> Active</p> <p><b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Program-Level Learning Objectives (PLLO)</p>	<p>CON 425: Project Delivery &amp; Roles Homework.</p> <p><b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.</p>	<hr/> <p>Survey: Senior Student Survey.</p> <p><b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>	

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<p><b>16-20 PLLO 13: Risk Management -</b> Students will understand construction risk management. <b>Objective Status:</b> Active <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Program-Level Learning Objectives (PLLO)</p>	<p>CON 425: Exam II <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric. <b>Schedule:</b> Annually <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty</p>	<p>Survey: Senior Student Survey. <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric. <b>Schedule:</b> Annually <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>	
<p><b>16-20 PLLO 14: Construction Accounting -</b> Students will understand construction accounting and cost control <b>Objective Status:</b> Active <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Program-Level Learning Objectives (PLLO)</p>	<p>CON 425: Assignment 4 Cost Loading <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric. <b>Schedule:</b> Annually <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.</p>	<p>Survey: Senior Student Survey. <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric. <b>Schedule:</b> Annually <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory</p>	

Objectives	Assessment Methods	Results/Observations	Meaningful Changes
<p><b>16-20 PLLO 15: Quality Assurance -</b> Students will understand construction quality assurance and control. <b>Objective Status:</b> Active <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Program-Level Learning Objectives (PLLO)</p>	<p>Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p> <p>CON 499: Create QC Plan <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric. <b>Schedule:</b> Annually <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.</p>	<p><b>Result Status:</b> Result Closed-No further action needed <b>Result/Observation Type:</b> Strength Direct Assessment: Spring 2016: 75.27% 70% of students meet 70% on this Assessment method (Assignment) (9/30/2016).</p> <p>Direct Assessment: Reviewed AIC Exam results and they indicate that ECU is slightly below national average.</p> <p>Indirect Assessment: Indirect assessment indicated that this learning objective meets our established standards (9/20/2016). Spring 2016: 4.38 out of 5. Criteria - Average of 4.38 Points out of a 5 point senior student survey (9/30/2016).</p> <p>Students underperformed on AIC Exam 9/20/2016.</p> <p>SLO is acceptable at this time. Continued analysis of SLO each time the course is taught or at least annually. SLO is part of accreditation standard and is mandatory to assess. SLOs track and are assessed at least once per year (9/20/2016). Both Indirect and Direct assessment are being assessed annually. (04/26/2017)</p> <p><b>Related Documents:</b> <a href="#">SLO 15 - Assignment.doc</a> <a href="#">SLO 15 - Syllabus.doc</a></p>	<p><b>Meaningful Changes:</b> 1) Direct Assessment indicates that students meet the standard and is acceptable (9/20/2016). Students underperformed on AIC Exam (9/20/2016). Require students to complete QC training by USACE and require students to develop QC plan using sample USACE spec.</p> <p>Evidence for Change: In Spring 2016, required all students to do QC plan and take USACE QC training. (04/26/2017)</p> <p><b>Use of Results:</b> . (04/26/2017)</p>
	<p>Survey: Senior Student Survey. <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric. <b>Schedule:</b> Annually <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory</p>		

Objectives	Assessment Methods	Results/Observations	Meaningful Changes
	Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.		
<p><b>16-20 PLLO16: Control Process -</b> Students will understand construction project control processes.  <b>Objective Status:</b> Active  <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Program-Level Learning Objectives (PLLO)</p>	<p>CON 425: Assignment 5 Project Controls  <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.</p>		
	<p>Survey: Senior Student Survey.  <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>		
<p><b>16-20 PLLO 17:</b> - Students will understand the legal implications of contract, common, and regulatory law to manage a construction project.  <b>Objective Status:</b> Active  <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Program-Level Learning Objectives (PLLO)</p>	<p>CON 425: Exam III  <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.</p>	<p><b>Result Status:</b> Result Closed-No further action needed  <b>Result/Observation Type:</b> Strength  SLO results are high. Reviewed coursework and grading rubric and we are assessing the grading criteria to ensure SLO is actually being met.</p> <p>Direct Assessment indicates that students meet the standard and is acceptable (9/20/2016). Students underperformed on AIC Exam.</p> <p>Direct Assessment:  Spring 2016: 92.25%</p>	<p><b>Meaningful Changes:</b> In Fall 2015, revised wording on Exam to allow for higher level learning.</p> <p>Evidence for Change: In Spring 2016, required students to take new assessment in the form of an Exam. (04/26/2017)</p> <p><b>Use of Results:</b> (04/26/2017)</p>

Objectives	Assessment Methods	Results/Observations	Meaningful Changes
	<p>Survey: Senior Student Survey.  <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>	<p>70% of students meet 70% on this Assessment method (Exam) (9/30/2016).</p> <p>Reviewed AIC Exam results and they indicate that ECU is slightly below national average.</p> <p>Indirect Assessment:  Spring 2016: 4.00 out of 5.  Criteria - Average of 4.00 Points out of a 5 point senior student survey (9/30/2016).</p> <p>Indirect assessment indicated that this learning objective meets our established standards (9/20/2016).</p> <p>SLO is acceptable at this time. Continued analysis of SLO each time the course is taught or at least annually. SLO is part of accreditation standard and is mandatory to assess. SLOs track and are assessed at least once per year (9/20/2016). Both Indirect and Direct assessment are being assessed annually. (04/26/2017)</p> <p><b>Related Documents:</b>  <a href="#">Test Canvas_ EXAM 3 – CON 425 Project Organization &amp; ..pdf</a>  <a href="#">Test Canvas_ EXAM 3 – CON 421 Construction Contracts.pdf</a></p>	
<p><b>16-20 PLLO 18: Sustainable Construction</b> - Students will understand the basic principles of sustainable construction.</p>	<p>CON 425: Exam  <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.</p>		

Objectives	Assessment Methods	Results/Observations	Meaningful Changes
<p><b>Objective Status:</b> Active  <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Program-Level Learning Objectives (PLLO)</p>	<p><b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.            Survey: Senior Student Survey.</p>		
	<p><b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>		
<p><b>16-20 PLLO 19: Structural Behavior -</b> Students will understand the basic principles of structural behavior.  <b>Objective Status:</b> Active  <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Program-Level Learning Objectives (PLLO)</p>	<p>CON 303: Exam  <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.</p>		
	<p>Survey: Senior Student Survey.  <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO</p>		

Objectives	Assessment Methods	Results/Observations	Meaningful Changes
	Analysis/Course Analysis/ Program Analysis.		
<p><b>16-20 PLLO 20: Principles of Mechanical Systems</b> - Students will understand the basic principles of mechanical, electrical, and piping systems.</p> <p><b>Objective Status:</b> Active</p> <p><b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Program-Level Learning Objectives (PLLO)</p>	<p>CON 324: Exam I, II, III</p> <p><b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.</p>		
	<p>Survey: Senior Student Survey.</p> <p><b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>		
<p><b>16-20 PLLO 21: Critical Thinking</b> - Students will be able to use critical thinking skills</p> <p><b>Objective Status:</b> Active</p> <p><b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Critical Thinking Learning Objective, Program-Level Learning Objectives (PLLO)</p>	<p>CON 499: Create a process to assemble a schedule.</p> <p><b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty.</p>	<p><b>Result Status:</b> Result Closed-No further action needed</p> <p><b>Result/Observation Type:</b> Strength</p> <p>Direct Assessment: Spring 2016: 84% 70% of students meet 70% on this Assessment method (Assignment) (9/30/2016).</p> <p>Reviewed AIC Exam results and they indicate that EKU is slightly below national average.</p>	<p><b>Meaningful Changes:</b> 1) Past assignment did not give us the data and information needed. In Spring 2016, When created an assignment to better assess student learning, by using a topic that students had learning at a lower level and ask them to critical think through the process of scheduling.</p>
		<p>Indirect Assessment: Spring 2016: 4.88 out of 5. Criteria - Average of 4.88 Points out of a 5 point senior student survey (9/30/2016).</p>	<p>(04/26/2017)</p> <p><b>Use of Results:</b> . (04/26/2017)</p>

Objectives	Assessment Methods	Results/Observations	Meaningful Changes
		<p>Indirect assessment indicated that this learning objective meets our established standards (9/20/2016).</p> <p>SLO is acceptable at this time. Continued analysis of SLO each time the course is taught or at least annually. SLO is part of accreditation standard and is mandatory to assess. SLOs track and are assessed at least once per year (9/20/2016). Both Indirect and Direct assessment are being assessed annually. (04/26/2017)</p> <p><b>Result Status:</b> Result Closed-No further action needed  <b>Result/Observation Type:</b> Strength  Spring 2016: 84%  70% of students meet 70% on this Assessment method (Assignment) (9/30/2016).</p> <p>Reviewed AIC Exam results and they indicate that EKU is slightly below national average.</p> <p>Indirect assessment indicated that this learning objective meets our established standards (9/20/2016). (06/30/2016)</p> <p><b>Related Documents:</b>  <a href="#">SLO 21 - Critical Thinking Scheduling.doc</a></p>	<p><b>Meaningful Changes:</b> In Spring 2016, past assignment did not give us the data and information needed (9/20/2016). Created an assignment to better assess student learning, by using a topic that students had learning at a lower level and ask them to critical think through the process of scheduling.</p> <p>Evidence for Change: Required students to do assignment on schedule development. (04/26/2017)</p> <p><b>Meaningful Changes:</b> Reviewed AIC Exam results and they indicate that EKU is slightly below national average. (06/30/2016)</p> <p><b>Use of Results:</b> SLO is acceptable at this time. Continued analysis of SLO each time the course is taught or at least annually. SLO is part of accreditation standard and is mandatory to assess. SLOs track and are assessed at least once per year (9/20/2016). Both Indirect and Direct assessment are being assessed annually. (06/30/2016)</p>



Objectives	Assessment Methods	Results/Observations	Meaningful Changes
	<p>Survey: Senior Student Survey.  <b>Criterion:</b> At Least 70% of Students Will Score 70% or Higher on Scoring Rubric.  <b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Construction Management Curriculum Committee, Cm Advisory Board and Applied Engineering and Technology Faculty. Used for SLO Analysis/Course Analysis/ Program Analysis.</p>		
<p><b>16-20 PLLO 22; Minor</b> - Students will possess a basic understanding of the construction industry, the science of materials and the methods by which they are placed in service, mechanical and electrical systems, the types and organization of construction contracts, and will possess essential plan reading skills  <b>Objective Status:</b> Active  <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Construction Management, Minor: Construction Management, Program-Level Learning Objectives (PLLO)</p>	<p>Fall 2016 Final Grade in each minor course  <b>Criterion:</b> 75% of students will score 70% or higher  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Construction Management Curriculum Management Advisory Committee and Department of Applied Engineering and Technology faculty. How will the data be used: Item analysis/course analysis/program analysis</p>		