

CHICO STATE UNIVERSITY
ASSESSMENT SUMMARY UPDATE

PROGRAM: B.S. Concrete Industry Management

Year of review	Student Learning Outcome	Describe assessment activity done this year for this SLO	Findings	Based on the results or evidence, what action was taken regarding program improvements?
2016-2017	A. write a clear explanation of the scientific basis for the processing of cement and concrete, and apply mathematics to analyze test data of concrete materials	None		
	B. write a clear description of how concrete materials and products are produced, used, placed, tested, maintained, and repaired	1- ACI field testing technician grade 1 certification 2- Assignments and exams in CIMT 231 class 3- Assignments and exams in CIMT 348 course	70% of students achieved the goal.	It was decided to bring some modifications to the contents of CIMT 348 and CIMT 231. Most of SLOs of the program are too vague/broad. The SLOs will be modified for the next assessment cycle.
	C. demonstrate, through a passing grade on a written exam, knowledge of contemporary concrete blending, mixing, transporting, and finishing processes	None		
	D. create business plans for operations, marketing, and promotion in the concrete industry	None		
	E. apply safety management methods to identify and correct unsafe practices at work	1- OSHA 10 hour safety class 2- Mid-term and final exams	100% of students achieved the goal.	No action taken.
	F. apply research skills and information literacy to write analysis reports on economic aspects and impacts of concrete materials, products, and services	None		
	G. an appreciation and understanding of the skills and abilities needed to manage people, both individually and in	None		

Year of review	Student Learning Outcome	Describe assessment activity done this year for this SLO	Findings	Based on the results or evidence, what action was taken regarding program improvements?
	<i>work teams. Students will also learn the value and importance of working in teams with peers, superiors, and subordinates</i>			
	H. apply contemporary computer-based information systems and software packages to analyze common problems in concrete industry	None		
	I. communicate clearly in oral, written, and graphic forms;	None		
	<i>J. Learn and understand the value of concrete as a sustainable building material, as well as the resulting benefits to society and the environment of using sustainable material</i>	None		
	K. demonstrate, in writing, the theoretical and practical knowledge of business administration, including financial, legal, ethical, and human resource issues.	None		

Year of review	Student Learning Outcome	Describe assessment activity done this year for this SLO	Findings	Based on the results or evidence, what action was taken regarding program improvements?
2015-2016	A. write a clear explanation of the scientific basis for the processing of cement and concrete, and apply mathematics to analyze test data of concrete materials	None		
	B. write a clear description of how concrete materials and products are produced, used, placed, tested, maintained, and repaired	None		
	C. demonstrate, through a passing grade on a written exam, knowledge of contemporary concrete blending, mixing, transporting, and finishing processes	None		
	D. create business plans for operations, marketing, and promotion in the concrete industry	None		
	E. apply safety management methods to identify and correct unsafe practices at work	None		
	F. apply research skills and information literacy to write analysis reports on economic aspects and impacts of concrete materials, products, and services	None		
	<i>G. an appreciation and understanding of the skills and abilities needed to manage people, both individually and in work teams. Students will also learn the value and importance of working in teams with peers, superiors, and subordinates</i>	None		
	H. apply contemporary computer-based information systems and software packages	None		

Year of review	Student Learning Outcome	Describe assessment activity done this year for this SLO	Findings	Based on the results or evidence, what action was taken regarding program improvements?
	to analyze common problems in concrete industry			
	I. communicate clearly in oral, written, and graphic forms;	1. Final class report embedded in CIMT 466 course and senior survey	100% of students achieved the goal.	No action taken.
	<i>J. Learn and understand the value of concrete as a sustainable building material, as well as the resulting benefits to society and the environment of using sustainable material</i>	1. Quizzes, assignment, and exams embedded in CIMT 363 course	100% of students achieved the goal.	No action taken.
	K. demonstrate, in writing, the theoretical and practical knowledge of business administration, including financial, legal, ethical, and human resource issues.	None		

Year of review	Student Learning Outcome	Describe assessment activity done this year for this SLO	Findings	Based on the results or evidence, what action was taken regarding program improvements?
2014-2015	A. write a clear explanation of the scientific basis for the processing of cement and concrete, and apply mathematics to analyze test data of concrete materials	Quizzes, exams, and lab performance embedded in CIMT 231 class. Embedded in the ECC Graduating Senior Survey AY 2014-15	100% of students achieved the goal.	No action taken.
	B. write a clear description of how concrete materials and products are produced, used, placed, tested, maintained, and repaired	1. Quizzes and exams embedded in CIMT 231 and CIMT 348 courses. 2. American Concrete Institute certificate exam	100% of students achieved the goal.	No action taken.
	C. demonstrate, through a passing grade on a written exam, knowledge of contemporary concrete blending, mixing, transporting, and finishing processes	1. Quizzes and exams embedded in CIMT 241 class.	100% of students achieved the goal.	No action taken.
	D. create business plans for operations, marketing, and promotion in the concrete industry	None		
	E. apply safety management methods to identify and correct unsafe practices at work	None		
	F. apply research skills and information literacy to write analysis reports on economic aspects and impacts of concrete materials, products, and services	None		
	G. apply management theories and practices to manage diverse individuals and teams	None		
	H. apply contemporary computer-based information systems and software packages to analyze common problems in concrete industry	None		
	I. communicate clearly in oral, written, and graphic forms;	1. Quizzes and exams embedded in CIMT 466 course	100% of students achieved the goal.	No action taken.

Year of review	Student Learning Outcome	Describe assessment activity done this year for this SLO	Findings	Based on the results or evidence, what action was taken regarding program improvements?
	J. write an explanation of the value of concrete as a sustainable building material, and the benefits to society and the environment of using sustainable materials;	1. Quizzes and exams embedded in CIMT 363 course	95% of students achieved the goal.	No action taken.
	K. demonstrate, in writing, the theoretical and practical knowledge of business administration, including financial, legal, ethical, and human resource issues.	None		

Year of review	Student Learning Outcome	Describe assessment activity done this year for this SLO	Findings	Based on the results or evidence, what action was taken regarding program improvements?
2013-2014	a. have the ability to apply knowledge of science and mathematics	Quizzes, exams, and lab performance embedded in CIMT 231 class.	100% of students achieved the goal.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).
	b. learn how concrete materials and products are produced, used, placed, tested, maintained, and repaired	1. Quizzes and exams embedded in CIMT 231 class. 2. American Concrete Institute certificate exam	1. 100% of students achieved the goal. 2. 100% of students achieved the goal.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).
	g. gain an appreciation and understanding of the skills and abilities needed to manage people, both individually and in work teams	Supervisor assessment in CIMT 389 class.	100% of students achieved the goal.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).
	i. be able to successfully communicate ideas in oral, written, and graphic form, as well as construct and deliver audio/visual presentations to individuals and groups	Oral presentation in CIMT 389 class graded by industry professionals.	100% of students achieved the goal.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).
	l. be prepared to make a successful transition from academia to the workforce.	Supervisor assessment in CIMT 389 class.	100% of students achieved the goal.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).
	Q31: Apply knowledge of math, science, engineering, or tech. to solve problem	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 3.92 on Likert scale of 1-5 with 5 being Very Well Prepared.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).
	Q32: Design & Execute test Procedures (equip/hardware components or software	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 3.55 on Likert scale of 1-5 with 5 being Very Well Prepared.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).
	Q33: Analyze, assess, interpret data/results from test procedures	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 3.83 on Likert scale of 1-5 with 5 being Very Well Prepared.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).

Year of review	Student Learning Outcome	Describe assessment activity done this year for this SLO	Findings	Based on the results or evidence, what action was taken regarding program improvements?
	Q34: Design a component or system to meet desired needs	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 3.50 on Likert scale of 1-5 with 5 being Very Well Prepared.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).
	Q35: Function in a multidisciplinary team	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.08 on Likert scale of 1-5 with 5 being Very Well Prepared.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).
	Q36: Identify, formulate and solve technical problems	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 3.83 on Likert scale of 1-5 with 5 being Very Well Prepared.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).
	Q37: Communicate technical matters in writing	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 3.83 on Likert scale of 1-5 with 5 being Very Well Prepared.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).
	Q38: Communicate technical matters orally	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.08 on Likert scale of 1-5 with 5 being Very Well Prepared.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).
	Q39: Understand and apply professional and ethical principles	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.25 on Likert scale of 1-5 with 5 being Very Well Prepared.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).
	Q:40 Understand contemporary issues facing society	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 3.83 on Likert scale of 1-5 with 5 being Very Well Prepared.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).
	Q41: Use modern tools and technology	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.17 on Likert scale of 1-5 with 5 being Very Well Prepared.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).
	Q42: Appreciate the impact of your solutions on society and the environment	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.08 on Likert scale of 1-5 with 5 being Very Well Prepared.	1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts.

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				3. Redoubling on-going measurements of learning (tests/quizzes).
	Q43: Continue learning	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.17 on Likert scale of 1-5 with 5 being Very Well Prepared.	<ol style="list-style-type: none"> 1. A greater emphasis within the structure of targeted courses. 2. Repetition in introducing key concepts. 3. Redoubling on-going measurements of learning (tests/quizzes).

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2012-2013	a. have the ability to apply knowledge of science and mathematics	Quizzes, exams, and lab performance embedded in CIMT 231 class.	100% of students achieved the goal.	No action taken.
	b. learn how concrete materials and products are produced, used, placed, tested, maintained, and repaired	1. Quizzes and exams embedded in CIMT 231 class. 2. American Concrete Institute certificate exam	100% of students achieved the goal.	No action taken.
	g. gain an appreciation and understanding of the skills and abilities needed to manage people, both individually and in work teams	Supervisor assessment in CIMT 389 class.	100% of students achieved the goal.	No action taken.
	i. be able to successfully communicate ideas in oral, written, and graphic form, as well as construct and deliver audio/visual presentations to individuals and groups	Oral presentation in CIMT 389 class graded by industry professionals.	100% of students achieved the goal.	No action taken.
	l. be prepared to make a successful transition from academia to the workforce.	Supervisor assessment in CIMT 389 class.	100% of students achieved the goal.	No action taken.
	Q31: Apply knowledge of math, science, engineering, or tech. to solve problem	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.46 on Likert scale of 1-5 with 5 being Very Well Prepared.	No action taken.
	Q32: Design & Execute test Procedures (equip/hardware components or software	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.36 on Likert scale of 1-5 with 5 being Very Well Prepared.	No action taken.
	Q33: Analyze, assess, interpret data/results from test procedures	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.64 on Likert scale of 1-5 with 5 being Very Well Prepared.	No action taken.
	Q34: Design a component or system to meet	Embedded in the ECC Graduating Senior Survey	Average of 4.36 on Likert scale of 1-5 with 5 being Very Well	No action taken.

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	desired needs	AY 2012-13	Prepared.	
	Q35: Function in a multidisciplinary team	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.64 on Likert scale of 1-5 with 5 being Very Well Prepared.	No action taken.
	Q36: Identify, formulate and solve technical problems	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.55 on Likert scale of 1-5 with 5 being Very Well Prepared.	No action taken.
	Q37: Communicate technical matters in writing	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.46 on Likert scale of 1-5 with 5 being Very Well Prepared.	No action taken.
	Q38: Communicate technical matters orally	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.55 on Likert scale of 1-5 with 5 being Very Well Prepared.	No action taken.
	Q39: Understand and apply professional and ethical principles	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.46 on Likert scale of 1-5 with 5 being Very Well Prepared.	No action taken.
	Q:40 Understand contemporary issues facing society	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.18 on Likert scale of 1-5 with 5 being Very Well Prepared.	No action taken.
	Q41: Use modern tools and technology	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.36 on Likert scale of 1-5 with 5 being Very Well Prepared.	No action taken.
	Q42: Appreciate the impact of your solutions on society and the environment	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.27 on Likert scale of 1-5 with 5 being Very Well Prepared.	No action taken.
	Q43: Continue learning	Embedded in the ECC Graduating Senior Survey AY 2012-13	Average of 4.36 on Likert scale of 1-5 with 5 being Very Well Prepared.	No action taken.