

San Joaquin Valley College

Course Improvement Proposal



Approved: Yes No

Date: July 5, 2018

PR Number: NA

STANDARD: Proposed course improvements must support the outcomes of the program and be in alignment with SJVC’s Mission Statement and Strategic Plan.

POLICY: The Proposal form is to be completed in full and submitted with support documentation to the CurriculumImprovements@sjvc.edu between 60- 90 days prior to the department’s Program Review for peer review and institutional implementation.

PROCESS: Complete and submit the Course Improvement Proposal to CurriculumImprovements@sjvc.edu. Attendees at Program Review will vote on adoption of the proposal. A corporate curriculum team member will coordinate implementation of approved proposals.

TIMELINE: Changes may take a minimum of 60 days to implement. Please plan accordingly

Course Improvements include but are not limited to:

- Wording of CLOs
- Changes to common assessment and teaching tools (rubrics, skill-offs, exams, projects, grade items, dropboxes, thresholds)
- Changes of less than 50% to course outline components (course description, CLOs, UOs)
- Grade components

Person(s) Requesting:	<i>James Tomasulo / Tonya Peak</i>
Date:	<i>May 25, 2018</i>
Campus(es):	<i>Online Division</i>
Program(s):	<i>Construction Management</i>
Course:	<i>CON112 Construction Documents and Methods</i>

Section 1: Improvement Information

Describe each proposed change and the reason each will improve the program.

Change	Justification
<p><i>Remove current (7) CLOs:</i></p> <ol style="list-style-type: none"> 1. <i>Analyze contracts based on requisite elements to determine validity before proceeding with any project</i> 	<p><i>Remove the current list of CLOs in order to replace them with the (6) New CLOs provided in the second row. The newly revised CLOs better communicate what students are expected</i></p>

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<ol style="list-style-type: none"> 2. <i>Process construction documents correctly</i> 3. <i>Identify and utilize proper document control practices</i> 4. <i>Implement a project's document control system</i> 5. <i>Recognize and evaluate materials used in the building construction industry</i> 6. <i>Compare and contrast appropriate installation methodologies for building materials and systems</i> 7. <i>Analyze and discuss options for installation of building materials and systems</i> 	<p><i>to learn in each unit of the course and follow the course description. The new CLOs are intended to streamline the delivery of material, alignment with the course description, as well as creating better alignment with today's construction management expectations. Currently the existing CLOs combine multiple Bloom's action verbs, such as identify and utilize, within one CLO, which are often difficult and sometimes impossible to truly measure.</i></p>
<p><i>Replace with New Suggested Course (6) CLOs:</i></p> <ol style="list-style-type: none"> 1. <i>Prepare construction documents using proper document control practices</i> 2. <i>Evaluate materials used in the building construction industry</i> 3. <i>Compare and contrast appropriate installation methodologies for building materials and systems</i> 4. <i>Assess options for installation of building materials and systems</i> 5. <i>Apply specific building codes to construction projects</i> 6. <i>Interpret plans, product details, and calculate specific measurements</i> 	<p><i>The 6 newly revised CLOs communicate what students are expected to learn in each unit, contain one measurable action per CLO, and are intended to embody the spirit of the course description:</i></p> <p><i>This course examines various documents utilized within the construction industry to record and communicate with others. The document practice introduced in this course will provide students with the exposure to proper communication procedures with project owners, designers, subcontractors, and local governmental agencies. This course also provides an overview and study of specialties, equipment, furnishings, special construction, conveying equipment, fire suppression, plumbing systems, heating, ventilating, air-conditioning, electrical, electronic safety, and security systems, used within the construction industry to complete a construction project. The course focuses on CSI Divisions 10-30, 32-48 (Master Format 2004).</i></p>

Section 2: Measurement

- What metrics will be used to evaluate the effectiveness of the proposed changes? (Placement, licensure, certification, CLO/PLO achievement, course completion, etc.)
- What is the current status and what is the expected target?

Metric	Current	Target	By When
<i>Course Completion Rate (2017/2018)</i>	<i>77%</i>	<i>80%</i>	<i>12/31/19</i>
<i>CLO success rate (2015)</i>	<i>71% with range from 46% to 92%</i>	<i>80% with no more than 20% variance</i>	<i>12/31/19</i>

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Section 3: Additional information

Include any additional information that may be helpful with implementing the change. Are there any costs associated with this change? How does this change better support the SLOs (CLOs, PLOs, ILOs)? (Please address specific SLOs in your response).

The expectation is to show the proficiency of each CLO, as it will be improved and streamlined to reflect the learning outcomes, as needed for today's construction management graduates. Showing proficiency of CLO 1 will be based on performance on all deliverables in Unit 1. Showing proficiency of CLO 2 will be based on performance on all deliverables in Unit 2, and so forth with Unit 5 compiling all (6) CLOs for measurement. Currently, the existing CLOs for this course combine multiple Bloom's action verbs (within one CLO), which cannot be efficiently captured in the data collection process.

Section 4: Academic Leadership Input

A statement from the Academic Dean (Campus President if submitted by the Academic Dean) documenting their knowledge and support of the proposed improvement is necessary to process the proposal (separate attachments or emails to the Curriculum Specialist are acceptable).

I support this change to provide student-facing CLOs that are more coherent to the learning experience of the student. The previous CLOs were too broad; some containing more than one measurable action within one CLO, such as "Identify and Utilize". The new CLOs have an appropriate level of focus and progression that can be presented with a more even workload and topic focus. All newly proposed CLOs are in alignment with the course description.

Section 5: Approval Process

A statement from the Director of Curriculum and Assessment documenting the approval process is necessary to process the proposal. (with consideration from the budget committee and senior management as necessary for changes that warrant increased expense)

Review Date:	June 1, 2018	Approved: <input checked="" type="checkbox"/> Disapproved: <input type="checkbox"/>
Comments:	<p><i>The requested changes reflect the institutional focus of adjusting the CLOs for honed focus and in using one Bloom's verb per outcome.</i></p> <p><i>CON112 is only offered online and doesn't affect the Ontario campus.</i></p> <p><i>While CLO data can be reviewed in the gradebooks of each course offering of CON112, they are not reflected in a report.</i></p> <p><i>I anticipate the learning outcome achievement rate will positively be impacted and the course completion rate to improve.</i></p> <p style="text-align: right;"><i>Annette Austerman, Corporate Director of Curriculum and Assessment</i></p>	

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2017-2018 Construction Management CON 112

Campus	Course	Total Grades	Total F	Total W	% F	% W	% Failed	Total Dropped	% Drop
Online	CON112	11	3	1	27.27%	9.09%	36.36%	1	8.3%
Online	CON112	16	3	1	18.75%	6.25%	25.00%	1	5.9%
Online	CON112	14	2	1	14.29%	7.14%	21.43%	1	6.7%
Online	CON112	16	2	2	12.50%	12.50%	25.00%	2	11.1%
Online	CON112	17	1	1	5.88%	5.88%	11.76%	1	5.6%
TOTAL		74	11	6	14.86%	8.11%	22.97%	6	7.50%

Reviewing historic CLO data showed the following sample (See next page)

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CLO-CON112-1	Analyze contracts based on requisite elements to determine validity before proceeding with any project		85% 11 of 13	0.85
CLO-CON112-2	Process construction documents correctly		46% 6 of 13	0.46
CLO-CON112-3	Identify and utilize proper document control practices		67% 8 of 12	0.67
CLO-CON112-4	Implement a project's document control system		75% 9 of 12	0.75
CLO-CON112-5	Recognize and evaluate materials used in the building construction industry		54% 7 of 13	0.54
CLO-CON112-6	Compare and contrast appropriate installation methodologies for building materials and systems		92% 11 of 12	0.92
CLO-CON112-7	Analyze and discuss options for installation of building materials and systems		75% 9 of 12	0.75
			Average	0.705714
			Standard Deviation	0.151078

The large standard deviation combined with the large difference between course pass rate and CLO outcome provided further evidence of the need to improve focus of CLOs, and CLO measurement.