DIRECT ASSESSMENT

SACRAMENTO STATE
Department of Construction Management

SLO 01: CREATE written communications appropriate to the construction discipline

Course Designation: CM 135 Lab Section 1 and 2 (Shewmaker)
Course Title: Soils and Foundations (Lab)
GOAL = 75% of the students with passing grade (18 or better out of 26)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 18 or higher	% Students = 18 or higher	75% Goal Met
01	Spring 2018	25	Week 12, Lab	Scale = 1-26	21.38	24	**96%**	**yes**

ACTION TAKEN FOR CURRENT REVIEW CYCLE: *Not a review year, next evaluation cycle is Fall 2019*

SLO 02: CREATE oral presentations appropriate to the construction discipline.

Course Designation: CM 20
Course Title: Construction Materials and Processes
GOAL = 75% of the students with passing grade (3 out of 5)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 3 or higher	% Students = 3 or higher	75% Goal Met
02	Spring 2018	32	Week 11, Problem 4B	Scale = 1-5	3.22	15	**47%**	**no**

ACTION TAKEN FOR CURRENT REVIEW CYCLE: *Not a review year, next evaluation cycle is Fall 2019*

SLO 03: CREATE a construction project safety plan.

Course Designation: CM 120
Course Title: Operations and Methods Analysis
GOAL = 75% of the students with passing grade (3 out of 5)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 3 or higher	% Students = 3 or higher	75% Goal Met
03	Fall 2017	62	Week 3, Problem 3	Scale = 1-5	2.75	32	**52%**	**no**

ACTION TAKEN FOR CURRENT REVIEW CYCLE: *Not a review year, next evaluation cycle is Fall 2019*

DIRECT ASSESSMENT

SACRAMENTO STATE
Department of Construction Management

SLO 04: CREATE construction project cost estimates.

Course Designation: CM 125 Lab Sections
Course Title: Advanced Estimating
GOAL = 75% of the students with passing grade (7 out of 10)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 7 or higher	% Students = 7 or higher	75% Goal Met
04	Spring 2018	38	Lab Assignment #3	Scale = 0-10	8.42	38	**100%**	**yes**

ACTION TAKEN FOR CURRENT REVIEW CYCLE:	*Not a review year, next evaluation cycle is Fall 2019*

SLO 05: CREATE construction project schedules.

Course Designation: CM 127 - Section 1 (Amend)
Course Title: Planning, Scheduling, and Control
GOAL = 75% of the students with passing grade (70 out of 100)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 70 or higher	% Students = 70 or higher	75% Goal Met
05	Spring 2018	15	Week 11 Project	0-100 points	81.07	13	**87%**	**yes**

ACTION TAKEN FOR CURRENT REVIEW CYCLE:	*Not a review year, next evaluation cycle is Fall 2019*

SLO 06: ANALYZE professional decisions based on ethical principles.

Course Designation: CM 140
Course Title: Structures II: Timber and Formwork Design
GOAL = 75% of the students with passing grade (7.5 out of 10)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 7.5 or higher	% Students = 7.5 or higher	75% Goal Met
06	Spring 2018	54	Midterm 2, Prob 3	Scale = 0-10 (2 questions)	8.46	42	**78%**	**yes**

ACTION TAKEN FOR CURRENT REVIEW CYCLE:	*Not a review year, next evaluation cycle is Fall 2019*

DIRECT ASSESSMENT

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Department of Construction Management

SLO 07:	**ANALYZE** construction documents for planning and management of construction processes.

Course Designation: CM 22
Course Title: Construction Documents
GOAL = 75% of the students with passing grade (3 out of 5)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 3 or higher	% Students = 3 or higher	75% Goal Met
07	Spring 2018	30	Weeks 10-14, P11	Scale = 1-5	2.43	10	**33%**	**no**

ACTION TAKEN FOR CURRENT REVIEW CYCLE:	*Not a review year, next evaluation cycle is Fall 2019*

SLO 08: **ANALYZE** methods, materials, and equipment used to construct projects.

Course Designation: CM 124
Course Title: Engineering Construction
GOAL = 75% of the students with passing grade (3 out of 5)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 3 or higher	% Students = 3 or higher	75% Goal Met
08	Fall 2017	34	Exam 2, prob 1	Scale = 1-5	3.76	33	**97%**	**yes**

ACTION TAKEN FOR CURRENT REVIEW CYCLE:	*Not a review year, next evaluation cycle is Fall 2019*

SLO 09: **APPLY** construction management skills as a member of a multi-disciplinary team.

Course Designation: CM 129
Course Title: Senior Project
GOAL = 75% of the students with passing grade (3 out of 5)
Exercise 1 Team creation of Construction Entity: Vision, Mission, Core Values.
Exercise 2 Team Presentation: Bonding & Banking Project Approval

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 3.5 or higher	% Students = 3 or higher	75% Goal Met
09	Spring 2018	34	Exam #1	Scale = 1-5	3.99	25	**74%**	**no**

ACTION TAKEN FOR CURRENT REVIEW CYCLE:	*Not a review year, next evaluation cycle is Fall 2019*

DIRECT ASSESSMENT

SACRAMENTO STATE
Department of Construction Management

SLO 10: APPLY electronic-based technology to manage the construction process.

Course Designation: CM 140
Course Title: Structures II: Timber and Formwork Design
GOAL = 75% of the students with passing grade (35 out of 50)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 35 or higher	% Students = 35 or higher	75% Goal Met
10	Spring 2018	54	Homework #5	Scale = 0-50	39.63	47	87%	yes

ACTION TAKEN FOR CURRENT REVIEW CYCLE: *Not a review year, next evaluation cycle is Fall 2019*

SLO 11: APPLY basic surveying techniques for construction layout and control.

Course Designation: 09
Course Title: Construction Surveying and Layout
GOAL = 67% of the students with B minus or better (80 out of 100)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 80 or higher	% Students = 80 or higher	67% Goal Met
11	Spring 2018	22	Midterm 2 Week 13	Scale 0-100%	71.45	8	36%	no

ACTION TAKEN FOR CURRENT REVIEW CYCLE: *Not a review year, next evaluation cycle is Fall 2019*

SLO 12: UNDERSTAND different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.

Course Designation: CM 22 (Hanlon)
Course Title: Construction Documents
GOAL = 75% of the students with passing grade (7 out of 10)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 7 or higher	% Students = 7 or higher	75% Goal Met
12	Spring 2018	32	Week 6, Lab 5	Scale = 1-10	6.28	16	50%	no

ACTION TAKEN FOR CURRENT REVIEW CYCLE: *Not a review year, next evaluation cycle is Fall 2019*

DIRECT ASSESSMENT

SACRAMENTO STATE
Department of Construction Management

SLO 13: UNDERSTAND construction risk management.

Course Designation: CM 110
Course Title: Legal Aspects of Construction
GOAL = 75% of the students with passing grade (63 out of 90)

| SLO # | DATA COLLECTION (Current Cycle) | | | | | | DATA ANALYSIS | |
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 63 or higher	% Students = 63 or higher	75% Goal Met
13	Fall 2017	42	Exam 2, Question 1	Scale = 0-90	38.20	1	**2%**	**no**

ACTION TAKEN FOR CURRENT REVIEW CYCLE:	*Not a review year, next evaluation cycle is Fall 2019*

SLO 14: UNDERSTAND construction accounting and cost control.

Course Designation: CM 129
Course Title: Senior Project
GOAL = 75% of the students with passing grade (10.5 out of 15)
Exercise = Construction Company Income & Balance sheet Problems

| SLO # | DATA COLLECTION (Current Cycle) | | | | | | DATA ANALYSIS | |
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 10.5 or higher	% Students = 10.5 or higher	75% Goal Met
14	Spring 2018	34	Exam #2	Scale = 1-15	11.4	26	**76%**	**yes**

ACTION TAKEN FOR CURRENT REVIEW CYCLE:	*Not a review year, next evaluation cycle is Fall 2019*

SLO 15: UNDERSTAND construction quality assurance and control.

Course Designation: CM 126
Course Title: Project Management
GOAL = 75% of the students with passing grade (7 out of 10)

| SLO # | DATA COLLECTION (Current Cycle) | | | | | | DATA ANALYSIS | |
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 7 or higher	% Students = 7 or higher	75% Goal Met
15	Fall 2017	44	Final Quiz	Scale = 0-10	9.57	37	**84%**	**yes**

ACTION TAKEN FOR CURRENT REVIEW CYCLE:	*Not a review year, next evaluation cycle is Fall 2019*

DIRECT ASSESSMENT

SACRAMENTO STATE
Department of Construction Management

SLO 16: UNDERSTAND construction project control processes.

Course Designation: CM 126
Course Title: Project Management
GOAL = 75% of the students with passing grade (7 out of 10)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 7 or higher	% Students = 7 or higher	75% Goal Met
15	Fall 2017	44	Final Quiz	Scale = 0-10	9.57	37	84%	yes

ACTION TAKEN FOR CURRENT REVIEW CYCLE: *Not a review year, next evaluation cycle is Fall 2019*

SLO 17: UNDERSTAND the legal implications of contract, common, and regulatory law to manage a

Course Designation: CM 111
Course Title: Construction Labor Relations
GOAL = 75% of the students with passing grade (17.5 out of 25)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 17.5 or higher	% Students = 17.5 or higher	75% Goal Met
17	Spring 2018	34	Writing Assign 4	Scale = 1-5	17.56	20	59%	no

ACTION TAKEN FOR CURRENT REVIEW CYCLE: *Not a review year, next evaluation cycle is Fall 2019*

SLO 18: UNDERSTAND the basic principles of sustainable construction.

Course Designation: CM 125
Course Title: Advanced Estimating
GOAL = 75% of the students with passing grade (6 out of 10)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 6 or higher	% Students = 6 or higher	75% Goal Met
18	Spring 2018	58	Exam	Scale = 0-10	6.38	43.000	74%	no

ACTION TAKEN FOR CURRENT REVIEW CYCLE: *Not a review year, next evaluation cycle is Fall 2019*

DIRECT ASSESSMENT

SLO 19: UNDERSTAND the basic principles of structural behavior.

Course Designation: CM 30
Course Title: Engineering Mechanics: Statics
GOAL = 75% of the students with passing grade (3 out of 5)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 3 or higher	% Students = 3 or higher	75% Goal Met
19	Spring 2018	34	Week 4, Quiz 1A	Scale = 1-5	2.26	15	**44%**	**no**

ACTION TAKEN FOR CURRENT REVIEW CYCLE: *Not a review year, next evaluation cycle is Fall 2019*

SLO 20: UNDERSTAND the basic principles of mechanical, electrical and piping systems.

Course Designation: CM 136
Course Title: Principles of Mechanical & Electrical Engineering
GOAL = 75% of the students with passing grade (75 out of 100)

SLO #	DATA COLLECTION (Current Cycle)						DATA ANALYSIS	
	Semester	Class Enrollment	Source	Rubric Criteria	Class Average	# Students with 75 or higher	% Students = 75 or higher	75% Goal Met
20	Fall 2017	48	Quiz 1	Scale = 0-100	83.46	39	**81%**	**yes**

ACTION TAKEN FOR CURRENT REVIEW CYCLE: *Not a review year, next evaluation cycle is Fall 2019*