

**CONSTRUCTION SCIENCE AND MANAGEMENT
KANSAS STATE UNIVERSITY- COLLEGE OF ENGINEERING
OUTCOMES ASSESSMENT AVERAGE of ALL MEASURES (DIRECT & INDIRECT & SUPPORTIVE)**

2015 SPRING

2015 SPRING 2011 SPRING 2011 FALL 2012 SPRING 2012 FALL 2013 SPRING 2013 FALL 2014 SPRING 2015 SPRING 2016 SPRING 2017 SPRING

CNSM Program Learning Outcomes		Performance											
Graduates shall be able to:		Criteria											
1	Apply engineering, science, and math fundamentals to solve construction problems.	4.28	3.50	4.24	4.03	4.19	3.83	4.14	4.19	4.15	4.28		
		4.25	3.75	4.38	4.16	4.38	N/A	4.28	4.50	4.30	4.25		
2	Have a thorough understanding of the Construction Process.	4.01	3.50	4.21	3.96	4.19	3.95	4.13	4.14	4.06	4.01		
		3.93	3.75	4.11	3.84	4.13	3.95	4.10	3.87	4.01	3.93		
2a	Understand and analyze the const. process, mat'ls, syst. assemblies, equip. & rqmt's.	4.24	3.75								4.24		
2b	Read, understand, and analyze contracts and contractual relationships.	4.00	3.75								4.00		
2c	Develop and prepare quantity take-offs and construct cost estimates.	4.36	3.75								4.36		
2d	Understand and analyze cost control systems.	3.88	3.75								3.88		
2e	Understand and evaluate admin., operational, and legal aspects of const. process.	3.91	3.75								3.91		
2f	Compose and revise a project plan and schedule.	4.07	3.75								4.07		
2g	Understand and interpret structural, mechanical, electrical, and plumbing systems	4.06	3.75								4.06		
2h	Understand and analyze const. safety stds. and programs and create a proj. safety plan.	4.17	3.75								4.17		
2i	Evaluate and interpret construction laws, codes, and regulations.	3.88	3.75								3.88		
2j	Understand material procurement and management.	4.06	3.75								4.06		
2k	Understand and analyze contract documents.	4.11	3.75								4.11		
2l	Understand and select appropriate project delivery systems.	4.06	3.75								4.06		
3.a.	Create appropriate oral presentations.	4.18	3.50	3.97	3.79	3.96	4.00	3.98	4.26	3.96	4.18		
		4.23	3.75	3.96	3.71	3.93	4.00	4.08	4.14	3.89	4.23		
3 b	Create appropriate written documents.	4.22	3.50	3.82	3.59	4.03	4.00	3.92	3.96	3.86	4.22		
		4.16	3.75	3.57	3.67	3.91	4.00	3.82	3.75	3.84	4.16		
3 c	Use appropriate graphic depiction.	4.25	3.50	4.16	3.90	4.21	3.90	4.11	4.21	3.97	4.25		
		4.19	3.75	3.97	3.85	4.08	3.90	4.02	4.09	3.88	4.19		
4	Apply Construction Management skills by effectively working cross-disciplinary teams	4.22	3.50	4.15	4.36	4.10	4.25	4.12	4.14	3.90	4.22		
		4.47	3.75	4.28	4.68	4.18	4.25	4.27	4.00	3.82	4.47		
5 a	Apply technology (computers) for analysis and communication.	4.11	3.50	4.21	4.03	4.24	3.88	4.16	4.12	4.00	4.11		
		4.29	3.75	4.22	N/A	4.36	N/A	4.31	N/A	3.98	4.29		
5 b	Apply technology and instrumentation in field layout.	3.67	3.50	3.80	3.77	3.76	4.00	3.79	3.65	3.82	3.67		
		3.53	3.75	3.75	4.00	3.86	4.00	3.78	3.00	3.96	3.53		
6 a	Use Self-directed inquiry as a basis for Life-Long Learning.	4.03	3.50	4.06	4.05	4.29	N/A	4.23	4.12	4.16	4.03		
		4.05	3.75	4.10	N/A	4.06	N/A	4.02	N/A	3.80	4.06		
7	Analyze and evaluate ethical and professional behavior in preparation for an effective industry career.	4.52	3.50	4.40	4.22	4.36	3.80	4.28	4.01	4.09	4.52		
		4.46	3.75	4.50	N/A	4.52	N/A	4.37	N/A	4.17	4.46		

PROGRAM EDUCATIONAL OBJECTIVE

Program Educational Objective	4.36	3.50	4.33	4.19	4.34		4.28	4.36	4.17	4.36		
	4.34	3.75	4.36	4.19	4.29		4.32	4.36	4.31	4.34		

OTHER OUTCOMES

Faculty Quality and Support	4.53	3.50	4.68	4.68	4.70		4.70	4.64	4.42	4.53		
	4.56	3.75	4.70	4.68	4.71		4.74	4.64		4.56		
Employment Assistance and Job Satisfaction	4.42	3.50	4.40	3.99	4.41		4.40	4.58	4.25	4.42		
	4.39	3.75	4.41	3.99	4.45		4.40	4.58	4.39	4.39		
Departmental Advising	3.89	3.50	3.88	4.32	3.91		4.02	4.38	3.79	3.89		
	3.84	3.75	3.86	4.32	3.88		3.94	4.38	3.83	3.84		
Facilities	4.29	3.75	4.21	4.05	4.11		4.10	4.20	4.06	4.29		