

10-Sep-14

## Mapping SACS SLO with ACCE SLO and Course Learning Outcomes

SACS SLO			ACCE SLO			Course Learning Outcomes (CLO)
No	SACS Student Learning Outcome	SACS Assessment	No	ACCE Student Learning Outcome	ACCE Assessment	
1	Apply knowledge of engineering, materials, methods, equipment, and processes to safely construct buildings and structures.	BCN 4787 Assignment 6 AC Exam	8	Analyze methods, materials, and equipment used to construct projects.	AC Exam Employer and Alumni Surveys	BCN 1210 (CLO 1,2) BCN 3223 (CLO 1, 3, 5, 6, 8) BCN 3224 (CLO 1, 2, 3, 4, 5) BCN3521 (CLO 4) BCN 3431 (CLO 3) BCN 4423 (CLO 4, 5, 6, 7) BCN 4510 (CLO 3) BCN 4787 (CLO 3)
			7	Analyze construction documents for planning and management of construction processes.	BCN 4720 Final Project Employer and Alumni Surveys	BCN 1251 (CLO 1, 2, 3, 4, 5, 6, 7) BCN 3255 (CLO 1) BCN3431 (CLO 5) BCN3521 (CLO 3) BCN4510 (CLO 6) BCN 4720 (CLO 1) BCN 4787 (CLO 4)
			19	Understand the basic principles of structural behavior.	AC Exam Employer and Alumni Surveys	BCN 2405 (CLO 1, 2, 3, 4, 5) BCN 3223 (CLO 7) BCN 3431 (CLO 4, 6) BCN 4423 (CLO 2, 3) BCN 4787 (CLO 1)
			20	Understand the basic principles of mechanical, electrical and plumbing systems.	BCN 3521 Final Exam BCN 4510 Submittal Lab Employer and Alumni Surveys	BCN 3521 (CLO 1) BCN 4510 (CLO 1, 2, 4, 5)
			18	Understand the basic principles of sustainable construction.	BCN 4787 Assignment 5 Employer and Alumni Surveys	BCN 1210 (CLO 3) BCN 1582 (CLO 1, 2, 3, 4, 5, 6, 7) BCN 3223 (CLO 2) BCN 4510 (CLO 7) BCN 4787 (CLO 1, 6)
			11	Apply basic surveying techniques for construction layout and control.	AC Exam BCN 3281 Final Report Employer and Alumni Surveys	BCN 3281 (CLO 1, 2, 4)
			3	Create a construction project safety plan.	AC Exam BCN 3730 Safety Project Employer and Alumni Surveys	BCN 3224 (CLO 4) BCN 3431 (CLO 2, 7) BCN 3521 (CLO 2) BCN 3730 (CLO 1, 2, 3, 4) BCN 4423 (CLO 1) BCN 4787 (CLO 3)
2	Survey and quantify building components to estimate project costs, analyze progress, and control expenditures.	BCN 4787 Assignment 7 AC Exam	4	Create construction project cost estimates.	AC Exam BCN 4612 Bid Simulation Employer and Alumni Surveys	BCN 3611 (CLO 1, 2, 4, 6) BCN 4612 (CLO 1,2,3,4,5,6,7,8) BCN 4787 (CLO 2)
3	Create an effective planning, scheduling and control system by identifying, evaluating and organizing the diverse elements of a construction project.	BCN 4787 Assignment 8 AC Exam	5	Create construction project schedules.	AC Exam BCN 4720 Final Project Employer and Alumni Surveys	BCN 4720 (CLO 2, 3, 6) BCN 4787 (CLO 3)
4	Set up and manage project administration and management systems to efficiently document and monitor the construction process.	BCN 4787 Assignment 9, 10, 11 & 12 AC Exam	9	Apply construction management skills as a member of a multi-disciplinary team.	BCN 4787 Final Project Employer and Alumni Surveys	BCN 4612 (CLO 7) BCN 4787 (CLO 6)
			6	Analyze professional decisions based on ethical principles.	BCN 4709 Ethics Assignment Employer and Alumni Surveys	BCN 1582 (CLO 3) BCN 3027 (CLO 5) BCN 3611 (CLO 6) BCN 3700 (CLO 7) BCN 3730 (CLO 5) BCN 4612 (CLO 8)
			12	Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.	BCN 4709 Delivery Methods Assignment Employer and Alumni Surveys	BCN 1001 (CLO 4) BCN 3027 (CLO 2, 3, 6, 7) BCN 4709 (CLO 2) BCN 4787 (CLO 6)
			14	Understand construction accounting and cost control.	AC Exam Employer and Alumni Surveys	BCN 4720 (CLO 8) BCN 4753 (CLO 2, 3, 4, 5)
			13	Understand construction risk management.	BCN 4709 Risk Assignment Employer and Alumni Surveys	BCN 3027 (CLO 1) BCN 3611 (CLO 1) BCN 4709 (CLO 4) BCN 3700 (CLO 4) BCN 4612 (CLO 4)
			17	Understand the legal implications of contract, common, and regulatory law to manage a construction project.	BCN 3700 Final Exam Employer and Alumni Surveys	BCN 3027 (CLO 4) BCN 3700 (CLO 1, 2, 3, 4, 5, 6, 8) BCN 4753 (CLO 1, 4)
			16	Understand construction project control processes.	AC Exam Employer and Alumni Surveys	BCN 3027 (CLO 3) BCN 4709 (CLO 1, 3) BCN 4787 (CLO 3)
			15	Understand construction quality assurance and control.	BCN 4709 QA/QC Assignment Employer and Alumni Surveys	BCN 3223 (CLO 1, 3) BCN 3431 (CLO 1) BCN 4510 (CLO 5, 6) BCN 4709 (CLO 5)
5	Communicate technical and financial data effectively in speech and in writing to all stakeholders in the construction process.	BCN 4787 project presentation AC Exam	2	Create oral presentations appropriate to the construction discipline.	BCN 4787 Final Project Presentation Employer and Alumni Surveys	ENC 3254 (CLO 3, 8) BCN 3027 (CLO 6) BCN 4720 (CLO 4) BCN 4787 (CLO 5)
			1	Create written communications appropriate to the construction discipline.	AC Exam BCN 4709 Writing Assignment Employer and Alumni Surveys	ENC 3254 (CLO 1, 2, 7, 9) BCN 3223 (CLO 4) BCN 3700 (CLO 6) BCN 4720 (CLO 7) BCN 4787 (CLO 6)
			10	Apply electronic-based technology to manage the construction process.	BCN 4787 Final Project Employer and Alumni Surveys	BCN 1251 (CLO 8) BCN 3255 (CLO 2, 3, 4) BCN 3281 (CLO 3) BCN 3611 (CLO 5) BCN 4612 (CLO 3) BCN 4709 (CLO 6) BCN 4720 (CLO 5) BCN 4787 (CLO 1, 4)