Bowling Green State University - 2022 - 2023 School Year: Updated FALL 2022 to be reviewed Fall 2023

SLO Course Assessment Matrix

	Student Learning Outcome	Assessment through School Year	Annual Meeting Review Year (Cycle)	Assessment Instrument	Topics in Construction	Introduction to Construction	Construction Document Reading	Computer Aided Design	Construction Surveying	Construction Materials and Testing	Structural Design	Mechanical, Electrical and Plumbing Systems in Buildings	Estimating and Cost Control	BIM For Constructors	LEED and Lean Fundamentals	Temporary and Concrete Structures for Construction	Safety/Health Management	Construction Methods and Practices	Construction Estimating Computer Applications	Construction Contracting	Construction Scheduling	Construction Capstone	AIC Exam	Graduating Student Exit Assessment
					CONS 1010 (3 CH)	CONS 2350 (3 CH)	CONS 2590 (3 CH)	ARCH 2710 (3 CH)	CONS 3180 (3 CH)	CONS 3350 (3 CH)	CONS 3360 (3 CH)	CONS 3370 (3 CH)	CONS 3590 (3 CH)	CONS 3710 (3 CH)	CONS 4000 (3 CH)	CONS 4060 (3 CH)	CONS 4110 (3 CH)	CONS 4350 (3 CH)	CONS 4590 (3 CH)	CONS 4400 (3 CH)	CONS 4420 (3 CH)	CONS 4700 (3 CH)		
1	Create written communications appropriate to the construction discipline.	2021-2022	2022 (2)	Scope Letter	I			R	R	R			DA	R			R	R		R		R	N/A	IA
2	Create oral presentations appropriate to the construction discipline.	2021-2022	2022 (2)	Final Presentation			I														R	DA	N/A	IA
3	Create a construction project safety plan.	2020-2021	2021(1)	Safety Plan Assignment			I			R	R		R				DA					R	N/A	IA
4	Create construction project cost estimates.	2020-2021	2021(1)	Final Project			I	R					DA						R			R	N/A	IA
5	Create construction project schedules	2022-2023	2023(3)	Test 1			I					R	R						R		DA	R	N/A	IA
6	Analyze professional decisions based on ethical principles.	2020-2021	2021(1)	Quiz on Ethics	I								R					R		DA		R	IA	IA
7	Analyze construction documents for planning and management of construction processes.	2021-2022	2022 (2)	Final Exam		R	DA	R		R		R	R	R				R	R		R	R	IA	IA
8	Analyze methods, materials, and equipment used in construction processes.	2022-2023	2023(3)	Test 1 and Test 2		I	R			R						R		DA				R	IA	IA
9	Apply construction management skills as a member of a multidisciplinary team.	2021-2022	2022 (2)	Capstone Project		I					R			R								DA	N/A	IA
10	Apply electronic-based technology to manage the construction process.	2022-2023	2023(3)	Concrete Estimate				R					R	R				R	DA		R	R	N/A	IA
11	Apply basic surveying techniques for construction layout and control	2020-2021	2021(1)	Final Exam			I		DA									R				R	N/A	IA
12	Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.	2021-2022	2022 (2)	CH 1 and 4 Quizzes	I	R						R	R					R		DA		R	IA	IA
13	Understand construction risk management.	2020-2021	2021(1)	Two Quizzes									I					R		DA		R	IA	IA
14	Understand construction accounting and cost control.	2021-2022	2022 (2)	Cost Control Assignment			I						R					R	DA			R	IA	IA
15	Understand construction quality assurance and control.	2022-2023	2023(3)	Final Exam		I	R			DA				R				R				R	IA	IA
16	Understand construction project control processes.	2022-2023	2023(3)	Cost Loading Assignment														I			DA		IA	IA
17	Understand the legal implications of contract, common, and regulatory law to manage a construction project.	2020-2021	2021(1)	Multiple Assignments		I														DA		R	IA	IA
18	Understand the basic principles of sustainable construction.	2020-2021	2021(1)	Test #2 - Extracted Questions	I	DA				R		R	R		DA								IA	IA
19	Understand the basic principles of structural behavior.	2022-2023	2023(3)	Final Exam		I				R	DA					R							IA	IA
20	Understand the basic principles of mechanical, electrical and piping systems.	2021-2022	2022 (2)	Final Exam	I			R				DA											IA	IA

DA = Direct Assessment
IA = Indirect Assessment
I = Introduced
R = Reinforced

Currently 51 credit hours - 50 are the minimum for ACCE

NOTE:

Fall 2022 Changes:

1. CONS 1010 has been changed to 3 CR course.
2. CONS 2350 has been removed from core curriculum and is now offered as an elective.
3. CONS 4000 LEED and Lean Fundamentals has been added to the core curriculum (DA is forthcoming).
4. Changes have resulted in 51 credit hours in core curriculum classes.