Bowling Green State University - 2021-2022 School Year: Updated FALL 2021

SLO Course Assessment Matrix

	Student Learning Outcome	Assessment thru School Year	Annual Meeting Review Year (Cycle)	Assessment Instrument	Topics in Construction CONS 1010 (2 CH)	Introduction to Construction CONS 2350 (3 CH)	Construction Document Reading CONS 2590 (3 CH)	Computer Aided Design ARCH 2710 (3 CH)	Construction Surveying CONS 3180 (3 CH)	Construction Materials and Testing CONS 3350 (3 CH)	Structural Design CONS 3360 (3 CH)	Mechanical, Electrical and Plumbing Systems in Buildings CONS 3370 (3 CH)	Estimating and Cost Control CONS 3590 (3 CH)	BIM For Constructors CONS 3710 (3 CH)	Temporary and Concrete Structures for Construction CONS 4060 (3 CH)	Safety/Health Management CONS 4110 (3 CH)	Construction Methods and Practices CONS 4350 (3 CH)	Construction Estimating Computer Applications CONS 4590 (3 CH)	Construction Contracting CONS 4400 (3 CH)	Construction Scheduling CONS 4420 (3 CH)	Construction Capstone CONS 4700 (3 CH)	AIC Exam	Graduating Student Exit Assessment
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									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 50 credit hours - 50 are the minimum for ACCE

NOTE:

Fall 2022 Changes:

1. CONS 1010 will be changed to 3 CR course.
2. CONS 2350 will be removed from core curriculum and will be offered as an elective.
3. CONS 4000 LEED and Lean Fundamentals will be added to the core curriculum.
4. Changes will result in 51 credit hours in core curriculum classes.