Bowling Green State University

Graduating Student Exit Assessment (Indirect Assessment)

Data Collection Semester: Fall 2022

	Student Learning Outcome	Results
1	Create written communications appropriate to the construction discipline.	**82.35% of students met or exceeded 70%**
2	Create oral presentations appropriate to the construction discipline.	**76.47% of students met or exceeded 70%**
3	Create a construction project safety plan.	**88.24% of students met or exceeded 70%**
4	Create construction project cost estimates.	**76.47% of students met or exceeded 70%**
5	Create construction project schedules	**76.47% of students met or exceeded 70%**
6	Analyze professional decisions based on ethical principles.	**82.35% of students met or exceeded 70%**
7	Analyze construction documents for planning and management of construction processes.	**64.71% of students met or exceeded 70%**
8	Analyze methods, materials, and equipment used in construction processes.	**58.82% of students met or exceeded 70%**
9	Apply construction management skills as a member of a multidisciplinary team.	**82.35% of students met or exceeded 70%**
10	Apply electronic-based technology to manage the construction process.	**70.59% of students met or exceeded 70%**
11	Apply basic surveying techniques for construction layout and control	**70.59% of students met or exceeded 70%**
12	Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.	**82.35% of students met or exceeded 70%**
13	Understand construction risk management.	**64.71% of students met or exceeded 70%**
14	Understand construction accounting and cost control.	**52.94% of students met or exceeded 70%**
15	Understand construction quality assurance and control.	**70.59% of students met or exceeded 70%**
16	Understand construction project control processes.	**64.71% of students met or exceeded 70%**
17	Understand the legal implications of contract, common, and regulatory law to manage a construction project.	**70.59% of students met or exceeded 70%**
18	Understand the basic principles of sustainable construction.	**70.59% of students met or exceeded 70%**
19	Understand the basic principles of structural behavior.	**64.71% of students met or exceeded 70%**
20	Understand the basic principles of mechanical, electrical and piping systems.	**70.59% of students met or exceeded 70%**

Bowling Green State University

SLO 1: Create written communications appropriate to the construction discipline

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 82.35 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			100	1
2			100	1
3			75	1
4			75	1
5			100	1
6			50	0
7			100	1
8			50	0
9			75	1
10			50	0
11			100	1
12			100	1
13			100	1
14			75	1
15			75	1
16			100	1
17			100	1
				14
				82.35%

Bowling Green State University

SLO 2: Create oral presentations appropriate to the construction discipline

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 76.47 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			100	1
2			50	0
3			75	1
4			50	0
5			100	1
6			75	1
7			100	1
8			50	0
9			75	1
10			50	0
11			75	1
12			100	1
13			100	1
14			75	1
15			100	1
16			100	1
17			100	1
				13
				76.47%

Bowling Green State University

SLO 3: Create a construction project safety plan.

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 88.24 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			100	1
2			100	1
3			75	1
4			75	1
5			100	1
6			25	0
7			100	1
8			75	1
9			100	1
10			100	1
11			50	0
12			100	1
13			100	1
14			75	1
15			75	1
16			100	1
17			100	1
				15
				88.24%

Bowling Green State University

SLO 4: Create construction project cost estimates.

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 76.47 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			75	1
2			100	1
3			75	1
4			75	1
5			75	1
6			50	0
7			100	1
8			75	1
9			50	0
10			50	0
11			75	1
12			75	1
13			100	1
14			50	0
15			75	1
16			100	1
17			100	1
				13
				76.47%

Bowling Green State University

SLO 5: Create construction project schedules

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 76.47 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			100	1
2			100	1
3			100	1
4			75	1
5			75	1
6			50	0
7			100	1
8			75	1
9			50	0
10			75	1
11			75	1
12			100	1
13			100	1
14			50	0
15			50	0
16			100	1
17			100	1
				13
				76.47%

Bowling Green State University

SLO 6: Analyze professional decisions based on ethical principles.

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 82.35 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			100	1
2			50	0
3			100	1
4			75	1
5			100	1
6			75	1
7			75	1
8			25	0
9			100	1
10			75	1
11			100	1
12			100	1
13			100	1
14			50	0
15			100	1
16			100	1
17			100	1
				14
				82.35%

Bowling Green State University

SLO 7: Analyze construction documents for planning and management of construction processes.

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 64.71 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			100	1
2			75	1
3			75	1
4			75	1
5			50	0
6			50	0
7			75	1
8			25	0
9			50	0
10			50	0
11			75	1
12			100	1
13			100	1
14			50	0
15			75	1
16			75	1
17			100	1
				11
				64.71%

Bowling Green State University

SLO 8: Analyze methods, materials, and equipment used in construction processes.

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 58.82 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			100	1
2			50	0
3			75	1
4			75	1
5			75	1
6			50	0
7			50	0
8			50	0
9			50	0
10			50	0
11			100	1
12			75	1
13			100	1
14			50	0
15			100	1
16			100	1
17			100	1
				10
				58.82%

Bowling Green State University

SLO 9: Apply construction management skills as a member of a multidisciplinary team.

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 82.35 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			100	1
2			75	1
3			50	0
4			75	1
5			75	1
6			75	1
7			100	1
8			50	0
9			75	1
10			75	1
11			100	1
12			75	1
13			100	1
14			50	0
15			100	1
16			75	1
17			100	1
				14
				82.35%

Bowling Green State University

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

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 70.59 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			100	1
2			100	1
3			50	0
4			75	1
5			50	0
6			75	1
7			100	1
8			50	0
9			50	0
10			100	1
11			50	0
12			100	1
13			100	1
14			75	1
15			100	1
16			75	1
17			100	1
				12
				70.59%

Bowling Green State University

SLO 11: Apply basic surveying techniques for construction layout and control

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 70.59 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			75	1
2			100	1
3			25	0
4			75	1
5			100	1
6			25	0
7			100	1
8			75	1
9			100	1
10			75	1
11			50	0
12			100	1
13			100	1
14			50	0
15			50	0
16			75	1
17			100	1
				12
				70.59%

Bowling Green State University

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

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 82.35 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			100	1
2			100	1
3			75	1
4			50	0
5			75	1
6			50	0
7			100	1
8			75	1
9			75	1
10			100	1
11			75	1
12			100	1
13			100	1
14			50	0
15			75	1
16			75	1
17			100	1
				14
				82.35%

Bowling Green State University

SLO 13: Understand construction risk management.

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 64.71 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			75	1
2			100	1
3			50	0
4			50	0
5			100	1
6			75	1
7			75	1
8			50	0
9			50	0
10			50	0
11			75	1
12			100	1
13			100	1
14			50	0
15			100	1
16			75	1
17			100	1
				11
				64.71%

Bowling Green State University

SLO 14: Understand construction accounting and cost control.

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 52.94 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			75	1
2			50	0
3			50	0
4			25	0
5			50	0
6			50	0
7			75	1
8			50	0
9			25	0
10			100	1
11			75	1
12			100	1
13			100	1
14			50	0
15			75	1
16			75	1
17			100	1
				9
				52.94%

Bowling Green State University

SLO 15: Understand construction quality assurance and control.

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 70.59 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			100	1
2			50	0
3			50	0
4			50	0
5			75	1
6			75	1
7			75	1
8			50	0
9			75	1
10			75	1
11			100	1
12			100	1
13			100	1
14			50	0
15			100	1
16			75	1
17			100	1
				12
				70.59%

Bowling Green State University

SLO 16: Understand construction project control processes.

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 64.71 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			100	1
2			50	0
3			75	1
4			50	0
5			75	1
6			50	0
7			75	1
8			50	0
9			50	0
10			75	1
11			75	1
12			100	1
13			100	1
14			50	0
15			75	1
16			75	1
17			100	1
				11
				64.71%

Bowling Green State University

SLO 17: Understand the legal implications of contract, common, and regulatory law to manage a construction project.

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 70.59 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			100	1
2			75	1
3			75	1
4			50	0
5			75	1
6			75	1
7			50	0
8			75	1
9			75	1
10			75	1
11			50	0
12			100	1
13			100	1
14			50	0
15			100	1
16			50	0
17			100	1
				12
				70.59%

Bowling Green State University

SLO 18: Understand the basic principles of sustainable construction

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 70.59 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			100	1
2			100	1
3			100	1
4			75	1
5			100	1
6			50	0
7			100	1
8			50	0
9			50	0
10			50	0
11			100	1
12			100	1
13			100	1
14			50	0
15			100	1
16			100	1
17			100	1
				12
				70.59%

Bowling Green State University

SLO 19: Understand the basic principles of structural behavior.

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 64.71 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			100	1
2			75	1
3			25	0
4			75	1
5			100	1
6			50	0
7			100	1
8			50	0
9			25	0
10			50	0
11			100	1
12			100	1
13			100	1
14			50	0
15			100	1
16			100	1
17			100	1
				11
				64.71%

Bowling Green State University

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

Graduating Student Exit Assessment (Indirect Assessment)
Objective - 70% of students meet or exceed 70%

Results: 70.59 **% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	70%
1			75	1
2			75	1
3			50	0
4			50	0
5			100	1
6			75	1
7			100	1
8			75	1
9			75	1
10			25	0
11			50	0
12			100	1
13			100	1
14			50	0
15			100	1
16			75	1
17			100	1
				12
				70.59%