Bowling Green State University

Graduating Student Exit Assessment (Indirect Assessment)

Data Collection Semester: Spring 2018

	Student Learning Outcome	Results
1	Create written communications appropriate to the construction discipline.	**96.00% of students met or exceeded 70%**
2	Create oral presentations appropriate to the construction discipline.	**92.00% of students met or exceeded 70%**
3	Create a construction project safety plan.	**88.00% of students met or exceeded 70%**
4	Create construction project cost estimates.	**88.00% of students met or exceeded 70%**
5	Create construction project schedules	**100.00% of students met or exceeded 70%**
6	Analyze professional decisions based on ethical principles.	**88.00% of students met or exceeded 70%**
7	Analyze construction documents for planning and management of construction processes.	**92.00% of students met or exceeded 70%**
8	Analyze methods, materials, and equipment used in construction processes.	**92.00% of students met or exceeded 70%**
9	Apply construction management skills as a member of a multidisciplinary team.	**88.00% of students met or exceeded 70%**
10	Apply electronic-based technology to manage the construction process.	**88.00% of students met or exceeded 70%**
11	Apply basic surveying techniques for construction layout and control	**100.00% 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.	**92.00% of students met or exceeded 70%**
13	Understand construction risk management.	**76.00% of students met or exceeded 70%**
14	Understand construction accounting and cost control.	**68.00% of students met or exceeded 70%**
15	Understand construction quality assurance and control.	**84.00% of students met or exceeded 70%**
16	Understand construction project control processes.	**88.00% of students met or exceeded 70%**
17	Understand the legal implications of contract, common, and regulatory law to manage a construction project.	**92.00% of students met or exceeded 70%**
18	Understand the basic principles of sustainable construction.	**96.00% of students met or exceeded 70%**
19	Understand the basic principles of structural behavior.	**100.00% of students met or exceeded 70%**
20	Understand the basic principles of mechanical, electrical and piping systems.	**84.00% 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: **96.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			75.00%	1
2			75.00%	1
3			100.00%	1
4			75.00%	1
5			100.00%	1
6			75.00%	1
7			700.00%	1
8			75.00%	1
9			75.00%	1
10			100.00%	1
11			75.00%	1
12			100.00%	1
13			100.00%	1
14			75.00%	1
15			100.00%	1
16			75.00%	1
17			75.00%	1
18			75.00%	1
19			100.00%	1
20			100.00%	1
21			100.00%	1
22			100.00%	1
23			50.00%	0
24			100.00%	1
25			75.00%	1
				24
				96.00%

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: **92.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			100.00%	1
2			75.00%	1
3			100.00%	1
4			75.00%	1
5			75.00%	1
6			50.00%	0
7			100.00%	1
8			75.00%	1
9			75.00%	1
10			100.00%	1
11			75.00%	1
12			100.00%	1
13			100.00%	1
14			75.00%	1
15			100.00%	1
16			100.00%	1
17			75.00%	1
18			75.00%	1
19			100.00%	1
20			75.00%	1
21			100.00%	1
22			75.00%	1
23			50.00%	0
24			100.00%	1
25			75.00%	1
				23
				92.00%

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: **88.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			100.00%	1
2			75.00%	1
3			100.00%	1
4			0.00%	0
5			75.00%	1
6			75.00%	1
7			100.00%	1
8			100.00%	1
9			100.00%	1
10			100.00%	1
11			100.00%	1
12			100.00%	1
13			100.00%	1
14			100.00%	1
15			100.00%	1
16			75.00%	1
17			100.00%	1
18			100.00%	1
19			100.00%	1
20			75.00%	1
21			100.00%	1
22			50.00%	0
23			50.00%	0
24			100.00%	1
25			100.00%	1
				22
				88.00%

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: **88.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			100.00%	1
2			75.00%	1
3			75.00%	1
4			50.00%	0
5			75.00%	1
6			100.00%	1
7			100.00%	1
8			100.00%	1
9			75.00%	1
10			100.00%	1
11			50.00%	0
12			100.00%	1
13			75.00%	1
14			100.00%	1
15			100.00%	1
16			100.00%	1
17			75.00%	1
18			75.00%	1
19			75.00%	1
20			100.00%	1
21			100.00%	1
22			100.00%	1
23			50.00%	0
24			100.00%	1
25			100.00%	1
				22
				88.00%

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: **100.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			100.00%	1
2			75.00%	1
3			75.00%	1
4			100.00%	1
5			100.00%	1
6			100.00%	1
7			100.00%	1
8			100.00%	1
9			75.00%	1
10			100.00%	1
11			100.00%	1
12			100.00%	1
13			75.00%	1
14			75.00%	1
15			100.00%	1
16			75.00%	1
17			100.00%	1
18			100.00%	1
19			100.00%	1
20			100.00%	1
21			100.00%	1
22			100.00%	1
23			75.00%	1
24			100.00%	1
25			100.00%	1
				25
				100.00%

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: **88.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			75.00%	1
2			75.00%	1
3			75.00%	1
4			50.00%	0
5			100.00%	1
6			75.00%	1
7			100.00%	1
8			75.00%	1
9			75.00%	1
10			25.00%	0
11			75.00%	1
12			100.00%	1
13			100.00%	1
14			100.00%	1
15			100.00%	1
16			75.00%	1
17			100.00%	1
18			75.00%	1
19			100.00%	1
20			100.00%	1
21			50.00%	0
22			100.00%	1
23			75.00%	1
24			100.00%	1
25			100.00%	1
				22
				88.00%

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: **92.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			75.00%	1
2			75.00%	1
3			100.00%	1
4			100.00%	1
5			75.00%	1
6			50.00%	0
7			100.00%	1
8			75.00%	1
9			75.00%	1
10			75.00%	1
11			50.00%	0
12			100.00%	1
13			75.00%	1
14			100.00%	1
15			100.00%	1
16			100.00%	1
17			100.00%	1
18			75.00%	1
19			100.00%	1
20			75.00%	1
21			75.00%	1
22			75.00%	1
23			75.00%	1
24			100.00%	1
25			100.00%	1
				23
				92.00%

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: **92.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			75.00%	1
2			75.00%	1
3			100.00%	1
4			75.00%	1
5			100.00%	1
6			100.00%	1
7			75.00%	1
8			75.00%	1
9			75.00%	1
10			75.00%	1
11			50.00%	0
12			100.00%	1
13			75.00%	1
14			75.00%	1
15			100.00%	1
16			75.00%	1
17			75.00%	1
18			75.00%	1
19			100.00%	1
20			75.00%	1
21			75.00%	1
22			75.00%	1
23			50.00%	0
24			100.00%	1
25			100.00%	1
				23
				92.00%

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: **88.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			100.00%	1
2			0.00%	0
3			100.00%	1
4			75.00%	1
5			75.00%	1
6			100.00%	1
7			75.00%	1
8			75.00%	1
9			75.00%	1
10			50.00%	0
11			100.00%	1
12			100.00%	1
13			100.00%	1
14			75.00%	1
15			100.00%	1
16			75.00%	1
17			50.00%	0
18			75.00%	1
19			100.00%	1
20			100.00%	1
21			75.00%	1
22			75.00%	1
23			75.00%	1
24			100.00%	1
25			75.00%	1
				22
				88.00%

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: **88.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			100.00%	1
2			75.00%	1
3			100.00%	1
4			25.00%	0
5			75.00%	1
6			50.00%	0
7			75.00%	1
8			100.00%	1
9			75.00%	1
10			50.00%	0
11			75.00%	1
12			100.00%	1
13			75.00%	1
14			75.00%	1
15			100.00%	1
16			100.00%	1
17			75.00%	1
18			75.00%	1
19			100.00%	1
20			100.00%	1
21			100.00%	1
22			75.00%	1
23			75.00%	1
24			100.00%	1
25			75.00%	1
				22
				88.00%

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: **100.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			100.00%	1
2			75.00%	1
3			100.00%	1
4			75.00%	1
5			100.00%	1
6			100.00%	1
7			75.00%	1
8			100.00%	1
9			75.00%	1
10			100.00%	1
11			75.00%	1
12			100.00%	1
13			100.00%	1
14			75.00%	1
15			100.00%	1
16			100.00%	1
17			100.00%	1
18			75.00%	1
19			75.00%	1
20			100.00%	1
21			100.00%	1
22			75.00%	1
23			75.00%	1
24			100.00%	1
25			100.00%	1
				25
				100.00%

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: **92.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			75.00%	1
2			75.00%	1
3			75.00%	1
4			100.00%	1
5			50.00%	0
6			100.00%	1
7			100.00%	1
8			100.00%	1
9			75.00%	1
10			100.00%	1
11			75.00%	1
12			100.00%	1
13			75.00%	1
14			100.00%	1
15			100.00%	1
16			100.00%	1
17			75.00%	1
18			75.00%	1
19			100.00%	1
20			100.00%	1
21			75.00%	1
22			75.00%	1
23			50.00%	0
24			100.00%	1
25			100.00%	1
				23
				92.00%

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: **76.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			50.00%	0
2			75.00%	1
3			100.00%	1
4			25.00%	0
5			50.00%	0
6			100.00%	1
7			75.00%	1
8			50.00%	0
9			75.00%	1
10			100.00%	1
11			100.00%	1
12			100.00%	1
13			100.00%	1
14			75.00%	1
15			100.00%	1
16			75.00%	1
17			50.00%	0
18			75.00%	1
19			100.00%	1
20			75.00%	1
21			75.00%	1
22			75.00%	1
23			75.00%	1
24			100.00%	1
25			50.00%	0
				19
				76.00%

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: **68.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			75.00%	1
2			75.00%	1
3			100.00%	1
4			75.00%	1
5			75.00%	1
6			100.00%	1
7			100.00%	1
8			50.00%	0
9			75.00%	1
10			50.00%	0
11			50.00%	0
12			100.00%	1
13			100.00%	1
14			100.00%	1
15			100.00%	1
16			75.00%	1
17			50.00%	0
18			75.00%	1
19			50.00%	0
20			75.00%	1
21			50.00%	0
22			50.00%	0
23			75.00%	1
24			100.00%	1
25			50.00%	0
				17
				68.00%

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: **84.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			75.00%	1
2			75.00%	1
3			100.00%	1
4			50.00%	0
5			100.00%	1
6			75.00%	1
7			75.00%	1
8			75.00%	1
9			75.00%	1
10			50.00%	0
11			75.00%	1
12			100.00%	1
13			75.00%	1
14			75.00%	1
15			100.00%	1
16			75.00%	1
17			50.00%	0
18			75.00%	1
19			75.00%	1
20			100.00%	1
21			75.00%	1
22			50.00%	0
23			75.00%	1
24			100.00%	1
25			75.00%	1
				21
				84.00%

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: **88.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			75.00%	1
2			75.00%	1
3			100.00%	1
4			75.00%	1
5			75.00%	1
6			100.00%	1
7			100.00%	1
8			75.00%	1
9			75.00%	1
10			50.00%	0
11			75.00%	1
12			100.00%	1
13			75.00%	1
14			75.00%	1
15			100.00%	1
16			75.00%	1
17			50.00%	0
18			75.00%	1
19			75.00%	1
20			50.00%	0
21			100.00%	1
22			75.00%	1
23			75.00%	1
24			100.00%	1
25			75.00%	1
				22
				88.00%

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: **92.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			75.00%	1
2			75.00%	1
3			75.00%	1
4			75.00%	1
5			75.00%	1
6			50.00%	0
7			100.00%	1
8			75.00%	1
9			75.00%	1
10			100.00%	1
11			75.00%	1
12			100.00%	1
13			75.00%	1
14			100.00%	1
15			100.00%	1
16			100.00%	1
17			75.00%	1
18			75.00%	1
19			100.00%	1
20			100.00%	1
21			50.00%	0
22			75.00%	1
23			75.00%	1
24			100.00%	1
25			75.00%	1
				23
				92.00%

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: **96.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			100.00%	1
2			75.00%	1
3			100.00%	1
4			75.00%	1
5			50.00%	0
6			100.00%	1
7			100.00%	1
8			75.00%	1
9			75.00%	1
10			75.00%	1
11			75.00%	1
12			75.00%	1
13			75.00%	1
14			75.00%	1
15			100.00%	1
16			75.00%	1
17			75.00%	1
18			75.00%	1
19			100.00%	1
20			75.00%	1
21			100.00%	1
22			75.00%	1
23			75.00%	1
24			100.00%	1
25			75.00%	1
				24
				96.00%

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: **100.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			100.00%	1
2			75.00%	1
3			100.00%	1
4			75.00%	1
5			100.00%	1
6			100.00%	1
7			75.00%	1
8			100.00%	1
9			75.00%	1
10			100.00%	1
11			75.00%	1
12			100.00%	1
13			75.00%	1
14			100.00%	1
15			100.00%	1
16			100.00%	1
17			100.00%	1
18			75.00%	1
19			100.00%	1
20			100.00%	1
21			75.00%	1
22			75.00%	1
23			75.00%	1
24			100.00%	1
25			100.00%	1
				25
				100.00%

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: **84.00% of students met or exceeded 70%**

Data Collection Semester: Spring 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			100.00%	1
2			75.00%	1
3			75.00%	1
4			25.00%	0
5			50.00%	0
6			75.00%	1
7			100.00%	1
8			100.00%	1
9			75.00%	1
10			75.00%	1
11			50.00%	0
12			75.00%	1
13			75.00%	1
14			100.00%	1
15			100.00%	1
16			75.00%	1
17			75.00%	1
18			75.00%	1
19			75.00%	1
20			100.00%	1
21			100.00%	1
22			50.00%	0
23			75.00%	1
24			100.00%	1
25			100.00%	1
				21
				84.00%