Bowling Green State University

AIC Exam Results NOTE: The Evaluation Index is within 5% of the National Average for Each SLO

Data Collection Semester: Spring 2019

	Student Learning Outcome	Results
1	Create written communications appropriate to the construction discipline.	**87.50% of students met or exceeded 70%**
2	Create oral presentations appropriate to the construction discipline.	**62.50% of students met or exceeded 66%**
3	Create a construction project safety plan.	**79.17% of students met or exceeded 68%**
4	Create construction project cost estimates.	**83.33% of students met or exceeded 67%**
5	Create construction project schedules	**70.83% of students met or exceeded 69%**
6	Analyze professional decisions based on ethical principles.	**58.33% of students met or exceeded 68%**
7	Analyze construction documents for planning and management of construction processes.	**62.50% of students met or exceeded 68%**
8	Analyze methods, materials, and equipment used in construction processes.	**70.83% of students met or exceeded 65%**
9	Apply construction management skills as a member of a multidisciplinary team.	**83.33% of students met or exceeded 69%**
10	Apply electronic-based technology to manage the construction process.	**50.00% of students met or exceeded 67%**
11	Apply basic surveying techniques for construction layout and control	**50.00% of students met or exceeded 67%**
12	Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.	**83.33% of students met or exceeded 65%**
13	Understand construction risk management.	**66.67% of students met or exceeded 71%**
14	Understand construction accounting and cost control.	**87.50% of students met or exceeded 68%**
15	Understand construction quality assurance and control.	**41.67% of students met or exceeded 69%**
16	Understand construction project control processes.	**79.17% of students met or exceeded 74%**
17	Understand the legal implications of contract, common, and regulatory law to manage a construction project.	**75.00% of students met or exceeded 71%**
18	Understand the basic principles of sustainable construction.	**50.00% of students met or exceeded 53%**
19	Understand the basic principles of structural behavior.	**54.17% of students met or exceeded 65%**
20	Understand the basic principles of mechanical, electrical and piping systems.	**58.33% of students met or exceeded 54%**

Bowling Green State University

SLO 1: Create written communications appropriate to the construction discipline

AIC Exam Results (Not Applicable)
National Average = 75%
Objective - 70% of students meet or exceed 70%

Results: **87.50% of students met or exceeded 70%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	70%
1			86.00%	1
2			92.00%	1
3			71.00%	1
4			73.00%	1
5			82.00%	1
6			71.00%	1
7			73.00%	1
8			69.00%	0
9			94.00%	1
10			71.00%	1
11			73.00%	1
12			76.00%	1
13			80.00%	1
14			80.00%	1
15			78.00%	1
16			78.00%	1
17			88.00%	1
18			71.00%	1
19			63.00%	0
20			75.00%	1
21			78.00%	1
22			73.00%	1
23			69.00%	0
24			76.00%	1
				21
				87.50%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 2: Create oral presentations appropriate to the construction discipline

AIC Exam Results (No Applicable)
National Average = 71%
Objective - 70% of students meet or exceed 66%

Results: **62.50% of students met or exceeded 66%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	66%
1			82.00%	1
2			76.00%	1
3			71.00%	1
4			47.00%	0
5			82.00%	1
6			82.00%	1
7			76.00%	1
8			53.00%	0
9			82.00%	1
10			65.00%	0
11			76.00%	1
12			65.00%	0
13			76.00%	1
14			76.00%	1
15			82.00%	1
16			88.00%	1
17			88.00%	1
18			71.00%	1
19			53.00%	0
20			65.00%	0
21			71.00%	1
22			65.00%	0
23			53.00%	0
24			59.00%	0
				15
				62.50%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 3: Create a construction project safety plan.

AIC Exam Results (Not Applicable)
National Average = 73%
Objective - 70% of students meet or exceed 68%

Results: **79.17% of students met or exceeded 68%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	68%
1			86.00%	1
2			95.00%	1
3			73.00%	1
4			59.00%	0
5			77.00%	1
6			68.00%	1
7			86.00%	1
8			73.00%	1
9			82.00%	1
10			59.00%	0
11			73.00%	1
12			77.00%	1
13			73.00%	1
14			86.00%	1
15			82.00%	1
16			68.00%	1
17			82.00%	1
18			77.00%	1
19			64.00%	0
20			86.00%	1
21			77.00%	1
22			64.00%	0
23			73.00%	1
24			64.00%	0
				19
				79.17%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 4: Create construction project cost estimates.

AIC Exam Results (Not Applicable)
National Average = 72%
Objective - 70% of students meet or exceed 67%

Results: **83.33% of students met or exceeded 67%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	67%
1			70.00%	1
2			89.00%	1
3			70.00%	1
4			81.00%	1
5			73.00%	1
6			68.00%	1
7			79.00%	1
8			70.00%	1
9			84.00%	1
10			67.00%	1
11			63.00%	0
12			78.00%	1
13			84.00%	1
14			73.00%	1
15			68.00%	1
16			75.00%	1
17			81.00%	1
18			59.00%	0
19			56.00%	0
20			68.00%	1
21			71.00%	1
22			59.00%	0
23			70.00%	1
24			71.00%	1
				20
				83.33%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 5: Create construction project schedules

AIC Exam Results (Not Applicable)
National Average = 74%
Objective - 70% of students meet or exceed 69%

Results: **70.83% of students met or exceeded 69%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	69%
1			85.00%	1
2			85.00%	1
3			56.00%	0
4			73.00%	1
5			79.00%	1
6			73.00%	1
7			71.00%	1
8			83.00%	1
9			92.00%	1
10			65.00%	0
11			58.00%	0
12			69.00%	1
13			73.00%	1
14			73.00%	1
15			69.00%	1
16			65.00%	0
17			83.00%	1
18			54.00%	0
19			71.00%	1
20			65.00%	0
21			81.00%	1
22			65.00%	0
23			69.00%	1
24			71.00%	1
				17
				70.83%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 6: Analyze professional decisions based on ethical principles.

AIC Exam Results (Indirect Assessment)
National Average = 73%
Objective - 70% of students meet or exceed 68%

Results: **58.33% of students met or exceeded 68%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	68%
1			88.00%	1
2			88.00%	1
3			67.00%	0
4			71.00%	1
5			79.00%	1
6			75.00%	1
7			71.00%	1
8			63.00%	0
9			83.00%	1
10			79.00%	1
11			63.00%	0
12			88.00%	1
13			79.00%	1
14			88.00%	1
15			67.00%	0
16			67.00%	0
17			88.00%	1
18			58.00%	0
19			63.00%	0
20			67.00%	0
21			83.00%	1
22			67.00%	0
23			71.00%	1
24			50.00%	0
				14
				58.33%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

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

AIC Exam Results (Indirect Assessment)
National Average = 73%
Objective - 70% of students meet or exceed 68%

Results: **62.50% of students met or exceeded 68%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	68%
1			83.00%	1
2			90.00%	1
3			72.00%	1
4			77.00%	1
5			73.00%	1
6			70.00%	1
7			67.00%	0
8			63.00%	0
9			85.00%	1
10			67.00%	0
11			63.00%	0
12			71.00%	1
13			80.00%	1
14			71.00%	1
15			65.00%	0
16			74.00%	1
17			80.00%	1
18			59.00%	0
19			60.00%	0
20			70.00%	1
21			74.00%	1
22			58.00%	0
23			64.00%	0
24			76.00%	1
				15
				62.50%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

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

AIC Exam Results (Indirect Assessment)
National Average = 70%
Objective - 70% of students meet or exceed 65%

Results: **70.83% of students met or exceeded 65%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	65%
1			78.00%	1
2			89.00%	1
3			65.00%	1
4			74.00%	1
5			72.00%	1
6			71.00%	1
7			73.00%	1
8			64.00%	0
9			81.00%	1
10			60.00%	0
11			59.00%	0
12			73.00%	1
13			70.00%	1
14			70.00%	1
15			69.00%	1
16			67.00%	1
17			80.00%	1
18			60.00%	0
19			57.00%	0
20			65.00%	1
21			75.00%	1
22			57.00%	0
23			67.00%	1
24			62.00%	0
				17
				70.83%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

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

AIC Exam Results (Not Applicable)
National Average = 74%
Objective - 70% of students meet or exceed 69%

Results: **83.33% of students met or exceeded 69%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	69%
1			84.00%	1
2			78.00%	1
3			78.00%	1
4			60.00%	0
5			80.00%	1
6			87.00%	1
7			76.00%	1
8			67.00%	0
9			91.00%	1
10			73.00%	1
11			71.00%	1
12			76.00%	1
13			82.00%	1
14			76.00%	1
15			76.00%	1
16			76.00%	1
17			87.00%	1
18			64.00%	0
19			62.00%	0
20			73.00%	1
21			78.00%	1
22			71.00%	1
23			69.00%	1
24			78.00%	1
				20
				83.33%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

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

AIC Exam Results (Not Applicable)
National Average = 72%
Objective - 70% of students meet or exceed 67%

Results: **50.00% of students met or exceeded 67%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	67%
1			94.00%	1
2			78.00%	1
3			56.00%	0
4			84.00%	1
5			75.00%	1
6			78.00%	1
7			63.00%	0
8			75.00%	1
9			94.00%	1
10			63.00%	0
11			56.00%	0
12			66.00%	0
13			75.00%	1
14			69.00%	1
15			59.00%	0
16			53.00%	0
17			78.00%	1
18			53.00%	0
19			63.00%	0
20			69.00%	1
21			75.00%	1
22			63.00%	0
23			66.00%	0
24			66.00%	0
				12
				50.00%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

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

AIC Exam Results (Not Applicable)
National Average = 72%
Objective - 70% of students meet or exceed 67%

Results: **50.00% of students met or exceeded 67%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	67%
1			88.00%	1
2			81.00%	1
3			62.00%	0
4			85.00%	1
5			65.00%	0
6			77.00%	1
7			62.00%	0
8			65.00%	0
9			77.00%	1
10			62.00%	0
11			73.00%	1
12			65.00%	0
13			65.00%	0
14			77.00%	1
15			81.00%	1
16			62.00%	0
17			85.00%	1
18			65.00%	0
19			58.00%	0
20			69.00%	1
21			85.00%	1
22			50.00%	0
23			73.00%	1
24			62.00%	0
				12
				50.00%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

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.

AIC Exam Results (Indirect Assessment)
National Average = 70%
Objective - 70% of students meet or exceed 65%

Results: **83.33% of students met or exceeded 65%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	65%
1			85.00%	1
2			90.00%	1
3			75.00%	1
4			85.00%	1
5			85.00%	1
6			75.00%	1
7			75.00%	1
8			70.00%	1
9			85.00%	1
10			85.00%	1
11			50.00%	0
12			70.00%	1
13			85.00%	1
14			85.00%	1
15			60.00%	0
16			70.00%	1
17			85.00%	1
18			40.00%	0
19			55.00%	0
20			80.00%	1
21			65.00%	1
22			75.00%	1
23			75.00%	1
24			70.00%	1
				20
				83.33%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 13: Understand construction risk management.

AIC Exam Results (Indirect Assessment)
National Average = 76%
Objective - 70% of students meet or exceed 71%

Results: **66.67% of students met or exceeded 71%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	71%
1			93.00%	1
2			90.00%	1
3			69.00%	0
4			76.00%	1
5			86.00%	1
6			79.00%	1
7			90.00%	1
8			76.00%	1
9			86.00%	1
10			69.00%	0
11			69.00%	0
12			83.00%	1
13			79.00%	1
14			83.00%	1
15			72.00%	1
16			79.00%	1
17			86.00%	1
18			66.00%	0
19			62.00%	0
20			76.00%	1
21			83.00%	1
22			69.00%	0
23			66.00%	0
24			69.00%	0
				16
				66.67%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 14: Understand construction accounting and cost control.

AIC Exam Results (Indirect Assessment)
National Average = 73%
Objective - 70% of students meet or exceed 68%

Results: **87.50% of students met or exceeded 68%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	68%
1			93.00%	1
2			90.00%	1
3			69.00%	1
4			76.00%	1
5			86.00%	1
6			79.00%	1
7			90.00%	1
8			76.00%	1
9			86.00%	1
10			69.00%	1
11			69.00%	1
12			83.00%	1
13			79.00%	1
14			83.00%	1
15			72.00%	1
16			79.00%	1
17			86.00%	1
18			66.00%	0
19			62.00%	0
20			76.00%	1
21			83.00%	1
22			69.00%	1
23			66.00%	0
24			69.00%	1
				21
				87.50%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 15: Understand construction quality assurance and control.

AIC Exam Results (Indirect Assessment)
National Average = 74%
Objective - 70% of students meet or exceed 69%

Results: **41.67% of students met or exceeded 69%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	69%
1			88.00%	1
2			96.00%	1
3			80.00%	1
4			88.00%	1
5			68.00%	0
6			72.00%	1
7			76.00%	1
8			60.00%	0
9			84.00%	1
10			64.00%	0
11			64.00%	0
12			72.00%	1
13			76.00%	1
14			88.00%	1
15			68.00%	0
16			56.00%	0
17			64.00%	0
18			60.00%	0
19			68.00%	0
20			64.00%	0
21			60.00%	0
22			64.00%	0
23			68.00%	0
24			64.00%	0
				10
				41.67%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 16: Understand construction project control processes.

AIC Exam Results (Indirect Assessment)
National Average = 79%
Objective - 70% of students meet or exceed 74%

Results: **79.17% of students met or exceeded 74%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	74%
1			89.00%	1
2			89.00%	1
3			84.00%	1
4			71.00%	0
5			87.00%	1
6			84.00%	1
7			74.00%	1
8			76.00%	1
9			95.00%	1
10			74.00%	1
11			71.00%	0
12			74.00%	1
13			89.00%	1
14			76.00%	1
15			76.00%	1
16			71.00%	0
17			82.00%	1
18			82.00%	1
19			71.00%	0
20			79.00%	1
21			76.00%	1
22			82.00%	1
23			71.00%	0
24			87.00%	1
				19
				79.17%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

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

AIC Exam Results (Indirect Assessment)
National Average = 76%
Objective - 70% of students meet or exceed 71%

Results: **75.00% of students met or exceeded 71%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	71%
1			100.00%	1
2			93.00%	1
3			73.00%	1
4			67.00%	0
5			90.00%	1
6			73.00%	1
7			73.00%	1
8			67.00%	0
9			97.00%	1
10			80.00%	1
11			77.00%	1
12			73.00%	1
13			73.00%	1
14			87.00%	1
15			53.00%	0
16			73.00%	1
17			80.00%	1
18			63.00%	0
19			70.00%	0
20			77.00%	1
21			73.00%	1
22			80.00%	1
23			63.00%	0
24			80.00%	1
				18
				75.00%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 18: Understand the basic principles of sustainable construction

AIC Exam Results (Indirect Assessment)
National Average = 58%
Objective - 70% of students meet or exceed 53%

Results: **50.00% of students met or exceeded 53%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	53%
1			67.00%	1
2			83.00%	1
3			50.00%	0
4			67.00%	1
5			83.00%	1
6			33.00%	0
7			67.00%	1
8			67.00%	1
9			67.00%	1
10			50.00%	0
11			33.00%	0
12			67.00%	1
13			50.00%	0
14			67.00%	1
15			67.00%	1
16			33.00%	0
17			67.00%	1
18			17.00%	0
19			50.00%	0
20			33.00%	0
21			67.00%	1
22			17.00%	0
23			50.00%	0
24			17.00%	0
				12
				50.00%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 19: Understand the basic principles of structural behavior.

AIC Exam Results (Indirect Assessment)
National Average = 70%
Objective - 70% of students meet or exceed 65%

Results: **54.17% of students met or exceeded 65%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	65%
1			55.00%	0
2			95.00%	1
3			60.00%	0
4			70.00%	1
5			65.00%	1
6			55.00%	0
7			75.00%	1
8			65.00%	1
9			70.00%	1
10			50.00%	0
11			40.00%	0
12			60.00%	0
13			55.00%	0
14			85.00%	1
15			75.00%	1
16			55.00%	0
17			80.00%	1
18			70.00%	1
19			60.00%	0
20			70.00%	1
21			65.00%	1
22			70.00%	1
23			50.00%	0
24			50.00%	0
				13
				54.17%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

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

AIC Exam Results (Indirect Assessment)
National Average = 59%
Objective - 70% of students meet or exceed 54%

Results: **58.33% of students met or exceeded 54%**

Data Collection Semester: Spring 2019

Student Number	Actual Points	Possible Points	Percentage	54%
1			69.00%	1
2			94.00%	1
3			44.00%	0
4			63.00%	1
5			56.00%	1
6			63.00%	1
7			63.00%	1
8			44.00%	0
9			59.00%	1
10			50.00%	0
11			31.00%	0
12			56.00%	1
13			69.00%	1
14			63.00%	1
15			50.00%	0
16			44.00%	0
17			69.00%	1
18			44.00%	0
19			56.00%	1
20			44.00%	0
21			56.00%	1
22			38.00%	0
23			56.00%	1
24			38.00%	0
				14
				58.33%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student