Bowling Green State University

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

Data Collection Semester: Fall 2019

	Student Learning Outcome	Results
1	Create written communications appropriate to the construction discipline.	**100.00% of students met or exceeded 72%**
2	Create oral presentations appropriate to the construction discipline.	**63.64% of students met or exceeded 73%**
3	Create a construction project safety plan.	**90.91% of students met or exceeded 72%**
4	Create construction project cost estimates.	**81.82% of students met or exceeded 68%**
5	Create construction project schedules	**63.64% of students met or exceeded 71%**
6	Analyze professional decisions based on ethical principles.	**90.91% of students met or exceeded 72%**
7	Analyze construction documents for planning and management of construction processes.	**90.91% of students met or exceeded 69%**
8	Analyze methods, materials, and equipment used in construction processes.	**81.82% of students met or exceeded 66%**
9	Apply construction management skills as a member of a multidisciplinary team.	**90.91% of students met or exceeded 71%**
10	Apply electronic-based technology to manage the construction process.	**81.82% of students met or exceeded 69%**
11	Apply basic surveying techniques for construction layout and control	**72.73% of students met or exceeded 71%**
12	Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.	**90.91% of students met or exceeded 70%**
13	Understand construction risk management.	**90.91% of students met or exceeded 74%**
14	Understand construction accounting and cost control.	**90.91% of students met or exceeded 70%**
15	Understand construction quality assurance and control.	**81.82% of students met or exceeded 71%**
16	Understand construction project control processes.	**90.91% of students met or exceeded 76%**
17	Understand the legal implications of contract, common, and regulatory law to manage a construction project.	**81.82% of students met or exceeded 73%**
18	Understand the basic principles of sustainable construction.	**36.36% of students met or exceeded 69%**
19	Understand the basic principles of structural behavior.	**81.82% of students met or exceeded 69%**
20	Understand the basic principles of mechanical, electrical and piping systems.	**54.55% of students met or exceeded 59%**

Bowling Green State University

SLO 1: Create written communications appropriate to the construction discipline

AIC Exam Results
National Average = 77%
Objective - 70% of students meet or exceed 72%

Results: **100.0% of students met or exceeded 72%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	72%
1			76.00%	1
2			94.00%	1
3			76.00%	1
4			86.00%	1
5			88.00%	1
6			75.00%	1
7			78.00%	1
8			75.00%	1
9			76.00%	1
10			82.00%	1
11			88.00%	1
				11
				100.00%

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
National Average = 78%
Objective - 70% of students meet or exceed 73%

Results: **63.64% of students met or exceeded 73%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	73%
1			88.00%	1
2			88.00%	1
3			53.00%	0
4			100.00%	1
5			88.00%	1
6			76.00%	1
7			88.00%	1
8			71.00%	0
9			65.00%	0
10			88.00%	1
11			65.00%	0
				7
				63.64%

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
National Average = 77%
Objective - 70% of students meet or exceed 72%

Results: **90.91% of students met or exceeded 72%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	72%
1			73.00%	1
2			82.00%	1
3			68.00%	0
4			95.00%	1
5			91.00%	1
6			82.00%	1
7			86.00%	1
8			86.00%	1
9			77.00%	1
10			77.00%	1
11			73.00%	1
				10
				90.91%

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
National Average = 73%
Objective - 70% of students meet or exceed 68%

Results: **81.82% of students met or exceeded 68%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	68%
1			71.00%	1
2			86.00%	1
3			67.00%	0
4			83.00%	1
5			87.00%	1
6			76.00%	1
7			79.00%	1
8			65.00%	0
9			83.00%	1
10			78.00%	1
11			76.00%	1
				9
				81.82%

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
National Average = 76%
Objective - 70% of students meet or exceed 71%

Results: **63.64% of students met or exceeded 71%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	71%
1			69.00%	0
2			98.00%	1
3			63.00%	0
4			92.00%	1
5			85.00%	1
6			69.00%	0
7			77.00%	1
8			81.00%	1
9			69.00%	0
10			79.00%	1
11			83.00%	1
				7
				63.64%

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 = 77%
Objective - 70% of students meet or exceed 72%

Results: **90.91% of students met or exceeded 72%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	72%
1			83.00%	1
2			100.00%	1
3			67.00%	0
4			92.00%	1
5			92.00%	1
6			92.00%	1
7			75.00%	1
8			83.00%	1
9			83.00%	1
10			83.00%	1
11			79.00%	1
				10
				90.91%

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 = 74%
Objective - 70% of students meet or exceed 69%

Results: **90.91% of students met or exceeded 69%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	69%
1			70.00%	1
2			91.00%	1
3			62.00%	0
4			84.00%	1
5			88.00%	1
6			69.00%	1
7			77.00%	1
8			73.00%	1
9			76.00%	1
10			79.00%	1
11			83.00%	1
				10
				90.91%

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 = 71%
Objective - 70% of students meet or exceed 66%

Results: **81.82% of students met or exceeded 66%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	66%
1			64.00%	0
2			85.00%	1
3			61.00%	0
4			81.00%	1
5			87.00%	1
6			69.00%	1
7			72.00%	1
8			72.00%	1
9			77.00%	1
10			75.00%	1
11			77.00%	1
				9
				81.82%

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 = 76%
Objective - 70% of students meet or exceed 71%

Results: **90.91% of students met or exceeded 71%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	71%
1			76.00%	1
2			93.00%	1
3			67.00%	0
4			93.00%	1
5			87.00%	1
6			84.00%	1
7			71.00%	1
8			76.00%	1
9			80.00%	1
10			87.00%	1
11			80.00%	1
				10
				90.91%

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 = 74%
Objective - 70% of students meet or exceed 69%

Results: **81.82% of students met or exceeded 69%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	69%
1			69.00%	1
2			97.00%	1
3			56.00%	0
4			97.00%	1
5			91.00%	1
6			59.00%	0
7			78.00%	1
8			75.00%	1
9			69.00%	1
10			78.00%	1
11			84.00%	1
				9
				81.82%

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 = 76%
Objective - 70% of students meet or exceed 71%

Results: **72.73% of students met or exceeded 71%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	71%
1			65.00%	0
2			88.00%	1
3			54.00%	0
4			85.00%	1
5			96.00%	1
6			69.00%	0
7			81.00%	1
8			73.00%	1
9			81.00%	1
10			81.00%	1
11			85.00%	1
				8
				72.73%

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 = 75%
Objective - 70% of students meet or exceed 70%

Results: **90.91% of students met or exceeded 70%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	70%
1			85.00%	1
2			95.00%	1
3			55.00%	0
4			85.00%	1
5			95.00%	1
6			90.00%	1
7			95.00%	1
8			80.00%	1
9			75.00%	1
10			80.00%	1
11			90.00%	1
				10
				90.91%

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 = 79%
Objective - 70% of students meet or exceed 74%

Results: **90.91% of students met or exceeded 74%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	74%
1			79.00%	1
2			93.00%	1
3			76.00%	1
4			90.00%	1
5			86.00%	1
6			83.00%	1
7			83.00%	1
8			86.00%	1
9			72.00%	0
10			90.00%	1
11			79.00%	1
				10
				90.91%

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 = 75%
Objective - 70% of students meet or exceed 70%

Results: **90.91% of students met or exceeded 70%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	70%
1			60.00%	0
2			93.00%	1
3			72.00%	1
4			86.00%	1
5			86.00%	1
6			74.00%	1
7			79.00%	1
8			77.00%	1
9			84.00%	1
10			88.00%	1
11			81.00%	1
				10
				90.91%

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 = 76%
Objective - 70% of students meet or exceed 71%

Results: **81.82% of students met or exceeded 71%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	71%
1			56.00%	0
2			96.00%	1
3			52.00%	0
4			84.00%	1
5			88.00%	1
6			80.00%	1
7			84.00%	1
8			72.00%	1
9			80.00%	1
10			76.00%	1
11			80.00%	1
				9
				81.82%

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 =81%
Objective - 70% of students meet or exceed 76%

Results: **90.91% of students met or exceeded 76%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	76%
1			76.00%	1
2			100.00%	1
3			74.00%	0
4			89.00%	1
5			87.00%	1
6			79.00%	1
7			92.00%	1
8			82.00%	1
9			87.00%	1
10			87.00%	1
11			89.00%	1
				10
				90.91%

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 = 79%
Objective - 70% of students meet or exceed 74%

Results: **81.82% of students met or exceeded 74%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	74%
1			87.00%	1
2			93.00%	1
3			70.00%	0
4			73.00%	0
5			90.00%	1
6			80.00%	1
7			90.00%	1
8			83.00%	1
9			80.00%	1
10			87.00%	1
11			97.00%	1
				9
				81.82%

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 = 74%
Objective - 70% of students meet or exceed 69%

Results: **36.36% of students met or exceeded 69%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	69%
1			50.00%	0
2			67.00%	0
3			67.00%	0
4			67.00%	0
5			83.00%	1
6			67.00%	0
7			83.00%	1
8			83.00%	1
9			50.00%	0
10			67.00%	0
11			83.00%	1
				4
				36.36%

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 = 74%
Objective - 70% of students meet or exceed 69%

Results: **81.82% of students met or exceeded 69%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	69%
1			55.00%	0
2			80.00%	1
3			60.00%	0
4			80.00%	1
5			90.00%	1
6			75.00%	1
7			85.00%	1
8			80.00%	1
9			90.00%	1
10			75.00%	1
11			90.00%	1
				9
				81.82%

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 =64%
Objective - 70% of students meet or exceed 59%

Results: **54.55% of students met or exceeded 59%**

Data Collection Semester: Fall 2019

Student Number	Actual Points	Possible Points	Percentage	59%
1			44.00%	0
2			88.00%	1
3			56.00%	0
4			81.00%	1
5			81.00%	1
6			50.00%	0
7			56.00%	0
8			56.00%	0
9			75.00%	1
10			63.00%	1
11			75.00%	1
				6
				54.55%

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