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 2018

	Student Learning Outcome	Results
1	Create written communications appropriate to the construction discipline.	**90.00% of students met or exceeded 67%**
2	Create oral presentations appropriate to the construction discipline.	**60.00% of students met or exceeded 58%**
3	Create a construction project safety plan.	**100.00% of students met or exceeded 61%**
4	Create construction project cost estimates.	**90.00% of students met or exceeded 64%**
5	Create construction project schedules	**90.00% of students met or exceeded 70%**
6	Analyze professional decisions based on ethical principles.	**70.00% of students met or exceeded 68%**
7	Analyze construction documents for planning and management of construction processes.	**80.00% of students met or exceeded 63%**
8	Analyze methods, materials, and equipment used in construction processes.	**90.00% of students met or exceeded 63%**
9	Apply construction management skills as a member of a multidisciplinary team.	**70.00% of students met or exceeded 63%**
10	Apply electronic-based technology to manage the construction process.	**60.00% of students met or exceeded 65%**
11	Apply basic surveying techniques for construction layout and control	**80.00% of students met or exceeded 64%**
12	Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.	**70.00% of students met or exceeded 61%**
13	Understand construction risk management.	**60.00% of students met or exceeded 65%**
14	Understand construction accounting and cost control.	**70.00% of students met or exceeded 63%**
15	Understand construction quality assurance and control.	**30.00% of students met or exceeded 70%**
16	Understand construction project control processes.	**60.00% of students met or exceeded 72%**
17	Understand the legal implications of contract, common, and regulatory law to manage a construction project.	**50.00% of students met or exceeded 66%**
18	Understand the basic principles of sustainable construction.	**50.00% of students met or exceeded 54%**
19	Understand the basic principles of structural behavior.	**90.00% of students met or exceeded 64%**
20	Understand the basic principles of mechanical, electrical and piping systems.	**50.00% of students met or exceeded 58%**

Bowling Green State University

SLO 1: Create written communications appropriate to the construction discipline

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

Results: **90% of students met or exceeded 67%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	67%
1			71.00%	1
2			65.00%	0
3			71.00%	1
4			78.00%	1
5			67.00%	1
6			76.00%	1
7			78.00%	1
8			84.00%	1
9			69.00%	1
10			84.00%	1
				9
				90.00%

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 (No Applicable)
National Average = 63%
Objective - 70% of students meet or exceed 58%

Results: **60% of students met or exceeded 58%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	58%
1			53.00%	0
2			74.00%	1
3			58.00%	1
4			53.00%	0
5			42.00%	0
6			58.00%	1
7			47.00%	0
8			79.00%	1
9			63.00%	1
10			79.00%	1
				6
				60.00%

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 = 66%
Objective - 70% of students meet or exceed 61%

Results: **100% of students met or exceeded 61%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	61%
1			70.00%	1
2			67.00%	1
3			70.00%	1
4			63.00%	1
5			70.00%	1
6			63.00%	1
7			57.00%	1
8			77.00%	1
9			63.00%	1
10			73.00%	1
				10
				100.00%

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 = 69%
Objective - 70% of students meet or exceed 64%

Results: **90% of students met or exceeded 64%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	64%
1			70.00%	1
2			65.00%	1
3			68.00%	1
4			80.00%	1
5			76.00%	1
6			72.00%	1
7			54.00%	0
8			80.00%	1
9			66.00%	1
10			80.00%	1
				9
				90.00%

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

Results: **90% of students met or exceeded 70%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			65.00%	0
2			70.00%	1
3			84.00%	1
4			74.00%	1
5			72.00%	1
6			72.00%	1
7			74.00%	1
8			86.00%	1
9			84.00%	1
10			79.00%	1
				9
				90.00%

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: **70% of students met or exceeded 68%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	68%
1			81.00%	1
2			67.00%	0
3			70.00%	1
4			63.00%	0
5			78.00%	1
6			81.00%	1
7			74.00%	1
8			78.00%	1
9			63.00%	0
10			89.00%	1
				7
				70.00%

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 = 68%
Objective - 70% of students meet or exceed 63%

Results: **80% of students met or exceeded 63%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	63%
1			69.00%	1
2			55.00%	0
3			64.00%	1
4			77.00%	1
5			70.00%	1
6			69.00%	1
7			54.00%	0
8			78.00%	1
9			64.00%	1
10			76.00%	1
				8
				80.00%

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 = 68%
Objective - 70% of students meet or exceed 63%

Results: **90% of students met or exceeded 63%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	63%
1			73.00%	1
2			63.00%	1
3			66.00%	1
4			70.00%	1
5			71.00%	1
6			72.00%	1
7			56.00%	0
8			77.00%	1
9			66.00%	1
10			77.00%	1
				9
				90.00%

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 = 68%
Objective - 70% of students meet or exceed 63%

Results: **70% of students met or exceeded 63%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	63%
1			63.00%	1
2			60.00%	0
3			60.00%	0
4			60.00%	0
5			67.00%	1
6			72.00%	1
7			67.00%	1
8			81.00%	1
9			65.00%	1
10			74.00%	1
				7
				70.00%

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 = 70%
Objective - 70% of students meet or exceed 65%

Results: **60% of students met or exceeded 65%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	65%
1			55.00%	0
2			62.00%	0
3			66.00%	1
4			59.00%	0
5			62.00%	0
6			72.00%	1
7			66.00%	1
8			79.00%	1
9			66.00%	1
10			72.00%	1
				6
				60.00%

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 = 69%
Objective - 70% of students meet or exceed 64%

Results: **80% of students met or exceeded 64%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	64%
1			61.00%	0
2			71.00%	1
3			86.00%	1
4			71.00%	1
5			79.00%	1
6			75.00%	1
7			50.00%	0
8			79.00%	1
9			82.00%	1
10			75.00%	1
				8
				80.00%

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 = 66%
Objective - 70% of students meet or exceed 61%

Results: **70% of students met or exceeded 61%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	61%
1			68.00%	1
2			45.00%	0
3			50.00%	0
4			68.00%	1
5			64.00%	1
6			68.00%	1
7			64.00%	1
8			68.00%	1
9			55.00%	0
10			77.00%	1
				7
				70.00%

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 = 70%
Objective - 70% of students meet or exceed 65%

Results: **60% of students met or exceeded 65%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	65%
1			75.00%	1
2			64.00%	0
3			64.00%	0
4			72.00%	1
5			72.00%	1
6			81.00%	1
7			64.00%	0
8			78.00%	1
9			58.00%	0
10			89.00%	1
				6
				60.00%

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 = 68%
Objective - 70% of students meet or exceed 63%

Results: **70% of students met or exceeded 63%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	63%
1			64.00%	1
2			51.00%	0
3			59.00%	0
4			84.00%	1
5			78.00%	1
6			78.00%	1
7			53.00%	0
8			64.00%	1
9			64.00%	1
10			76.00%	1
				7
				70.00%

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

Results: **30% of students met or exceeded 70%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	70%
1			67.00%	0
2			78.00%	1
3			56.00%	0
4			61.00%	0
5			72.00%	1
6			61.00%	0
7			67.00%	0
8			78.00%	1
9			56.00%	0
10			67.00%	0
				3
				30.00%

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

Results: **60.00% of students met or exceeded 72%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	72%
1			69.00%	0
2			59.00%	0
3			74.00%	1
4			79.00%	1
5			77.00%	1
6			87.00%	1
7			69.00%	0
8			69.00%	0
9			74.00%	1
10			74.00%	1
				6
				60.00%

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

Results: **50% of students met or exceeded 66%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	66%
1			71.00%	1
2			58.00%	0
3			65.00%	0
4			77.00%	1
5			74.00%	1
6			74.00%	1
7			65.00%	0
8			61.00%	0
9			61.00%	0
10			87.00%	1
				5
				50.00%

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 = 59%
Objective - 70% of students meet or exceed 54%

Results: **50% of students met or exceeded 54%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	54%
1			57.00%	1
2			43.00%	0
3			29.00%	0
4			86.00%	1
5			57.00%	1
6			43.00%	0
7			29.00%	0
8			71.00%	1
9			57.00%	1
10			43.00%	0
				5
				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 = 69%
Objective - 70% of students meet or exceed 64%

Results: **90% of students met or exceeded 64%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	64%
1			75.00%	1
2			45.00%	0
3			75.00%	1
4			65.00%	1
5			70.00%	1
6			65.00%	1
7			70.00%	1
8			85.00%	1
9			70.00%	1
10			65.00%	1
				9
				90.00%

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 = 63%
Objective - 70% of students meet or exceed 58%

Results: **50% of students met or exceeded 58%**

Data Collection Semester: Fall 2018

Student Number	Actual Points	Possible Points	Percentage	58%
1			63.00%	1
2			75.00%	1
3			38.00%	0
4			69.00%	1
5			56.00%	0
6			63.00%	1
7			31.00%	0
8			69.00%	1
9			50.00%	0
10			56.00%	0
				5
				50.00%

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