

William Paterson University
College of Science and Health - Department of Computer Science

Fall 2018 – Spring 2019 Assessment Cycle

Analysis of the Results of the Evaluations of the Assessment Data
of
the Program Student Outcome

Program Student Outcome:

S7: Demonstrate an understanding of the major programming domains and the knowledge of the most appropriate programming language for each domain.

Curriculum Committee Subgroup: Programming Languages

Members: John Najarian, Gilbert Ndjatou (chair)

Date: May 28, 2019

Updated On: _____

A. Analysis of the Results of the Evaluations of the Assessment Data

In this assessment cycle, this student outcome was assessed in CS 3820.

16 and 17 students took the course respectively in the fall and the spring semester and only 5 (15%) of them performed at a level less than adequate. It is also worth mentioning that 23 (or 70%) students performed at a level of more than adequate ability or better.

B. Suggestions for Improvement

N/A

C. Improvement Implemented

N/A

D. List all the “performance level/frequency/percentage” tables and their sources

a. Faculty Course Assessment Report: CS3820, Fall 2018

Data Collected: Each student’s level of performance on questions on a test and the final exam that test their understanding of the major programming language domains.

Method of Collection: Each student is given a numeric score on each of these questions.

Performance Levels	Frequency	Percentage
No Ability	0	0%
Some Ability	3	18.8 %
Adequate Ability	2	12.5 %
More than Adequate Ability	5	31.3 %
High Ability	6	37.5 %

Observations: Questions that are used to assess this learning outcome were used on the first test and on the final exam. Those students who did well on the test still did well on the final exam and those who did not do well on the test still did not do well on the final exam.

b. Faculty Course Assessment Report: CS3820, Spring 2019

Data Collected: Each student’s level of performance on questions on a test and the final exam that test their understanding of the major programming language domains.

Method of Collection: Each student is given a numeric score on each of these questions.

Performance Levels	Frequency	Percentage
No Ability	0	0%
Some Ability	2	11.8 %
Adequate Ability	3	17.6 %
More than Adequate Ability	6	35.3 %
High Ability	6	35.3 %

Observations: Questions that are used to assess this learning outcome were used on the first test and on the final exam. Although only five students did relatively well on the test, most of the class did very well on the final exam.