Assessment: Course Four Column

Courses (MATH) - Math

MATH 096 Owens:Intermediate Algebra

Course Outcomes	Assessment Measures	Results	Actions
Graph equations and inequalities as well as systems of equations and inequalities - Graph equations and inequalities as well as systems of equations and inequalities **Course Outcome Status:** Active **Next Assessment:** 2021-2022 **Start Date:** 10/25/2017	**Exam -** Midterm Exam #2 Graph nonlinear equation #9 Graph linear function Final Exam #1 Graph sq. root and cube root functions **Criterion:** NA	**Reporting Period:** 2016-2017 **Criterion Met:** N/A Midterm Exam #2 71% answered correctly #9 81% answered correctly Final Exam #1 45% answered correctly (10/25/2017)	
Find the equation of a line when given prescribed conditions - Find the equation of a line when given prescribed conditions **Course Outcome Status:** Active **Next Assessment:** 2021-2022 **Start Date:** 10/25/2017	**Exam -** Midterm Exam #1 Equations of parallel/perpendicular lines #7 Write equation using function notation Final Exam #15 Write equation using function notation **Criterion:** NA	**Reporting Period:** 2016-2017 **Criterion Met:** N/A Midterm Exam #1 52% answered correctly #7 33% answered correctly Final Exam #15 35% answered correctly (10/25/2017)	
Solve a variety of equations and inequalities - Solve a variety of equations and inequalities including those involving absolute value, linear, quadratic, rational, and radical expressions **Course Outcome Status:** Active **Next Assessment:** 2021-2022	**Exam -** Midterm Exam #4 System of equations substitution #5 System of equations addition #11 System of linear inequalities #12 Absolute value inequality #13 Compound inequalities "and" #14 Absolute value equation #15 Absolute value inequality	**Reporting Period:** 2016-2017 **Criterion Met:** N/A Midterm Exam #4 86% answered correctly #5 76% answered correctly #11 19% answered correctly #12 29% answered correctly #13 33% answered correctly	

Course Outcomes	Assessment Measures	Results	Actions
Start Date: 10/25/2017	#16 Compound inequality "or" Final Exam #6 Radical Equation #10 Quadratic Equation (completing the square) #11 Equations in quadratic form #13 System of linear inequalities #19 Equation involving rational expressions **Criterion:** NA	#14 52% answered correctly #15 38% answered correctly #16 5% answered correctly Final Exam #6 40% answered correctly #10 45% answered correctly #11 40% answered correctly #13 15% answered correctly #19 30% answered correctly (10/25/2017)	
Identify functions and the domain and range of functions - Identify functions and the domain and range of functions **Course Outcome Status:** Active **Next Assessment:** 2021-2022 **Start Date:** 10/25/2017	**Exam -** Midterm Exam #8 Identify relations, domain and range **Criterion:** NA	**Reporting Period:** 2016-2017 **Criterion Met:** N/A Midterm Exam #8 19% answered correctly (10/25/2017)	
Solve problems involving direct, inverse, or joint variation - Solve problems involving direct, inverse, or joint variation **Course Outcome Status:** Active **Next Assessment:** 2021-2022 **Start Date:** 10/25/2017	**Exam -** Midterm Exam #3 Combined variation Final Exam #14 Combined variation **Criterion:** NA	**Reporting Period:** 2016-2017 **Criterion Met:** N/A Midterm Exam #3 24% answered correctly Final Exam #14 10% answered correctly (10/25/2017)	
Perform operations on radical and rational expressions and simplify such expressions - Perform operations on radical and rational expressions and simplify such expressions **Course Outcome Status:** Active **Next Assessment:** 2021-2022 **Start Date:** 10/25/2017	**Exam -** Final Exam #2 Simplify expression with rational exponents #3 Simplify radicals #4 Add/Subtract radical expressions #5 Rationalize two-term denominators #17 Multiply rational expressions #18 Add/Subtract rational expressions **Criterion:** NA	**Reporting Period:** 2016-2017 **Criterion Met:** N/A Final Exam #2 45% answered correctly #3 35% answered correctly #4 55% answered correctly #5 45% answered correctly #17 18% answered correctly #18 35% answered correctly (10/25/2017)	
Solve a variety of real-world	**Exam -** Midterm Exam	**Reporting Period:** 2016-2017	**Action:** Notes: Class average

Course Outcomes	Assessment Measures	Results	Actions
problems - Solve a variety of real-world problems **Course Outcome Status:** Active **Next Assessment:** 2021-2022	#6 Problem modeled by two linear equations #10 Variation applied problem Final Exam # 12 Problem modeled by quadratic equation **Criterion:** NA	**Criterion Met:** N/A Midterm Exam #6 48% answered correctly #10 29% answered correctly Final Exam # 12 39% answered correctly (10/25/2017)	Midterm 48.79% Final: 39.4% Total Students: 24

Grade	Number of Students	Percentage
A	1	4.2%
B	5	20.8%
C	8	33.3%
D	2	8.3%
F	8	33.3%

Concerns:
1.   The high number of 'F' grades.
Of the students who earned an 'F' in this course, 5 persisted until the end, one stopped participating mid-semester, and 2 never attended the course. This is my third assessment of an 8-week course and the high percentage of failing students is depressingly familiar.
2.   The low performance on exams
Again, this seems to be a trend in my 8-week courses.

ACTION: I will implement the same plans I developed in the other two assessments: More and repeated contact prior to and during the first week of class that explains the structure of the course and the amount of work and discipline required. I will increase the number of lower-risk assessments so students can have more consistent and regular feedback from me.

Course Outcomes	Assessment Measures	Results	Actions
			ACTION: I will discuss these 8-week courses with the other instructor who has also been offering these courses. Topics of discussion: Is this a viable way to offer these courses. Are we doing more harm than good? If we are going to offer these courses what steps can we take to improve the success rate? Realistically, these courses are very popular. What more can we do to attract the right demographic? What is the right demographic? (10/25/2017)