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:** 2022-2023 **Start Date:** 10/25/2017	**Assignment - Written -** M #2 (nonlinear) M #6 (system graphing) M #10 (inequalities) **Criterion:** NA	**Reporting Period:** 2017-2018 **Criterion Met:** N/A 81% 63% 31% Percent refers to the percentage of students who earned full credit on the problem. (01/22/2019)	
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:** 2022-2023 **Start Date:** 10/25/2017	**Assignment - Written -** M #12 (parallel/perpendicular) M #13 (point-slope) **Criterion:** NA	**Reporting Period:** 2017-2018 **Criterion Met:** N/A 63% 75% Percent refers to the percentage of students who earned full credit on the problem. (01/22/2019)	
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:** 2022-2023 **Start Date:** 10/25/2017	**Assignment - Written -** M #3 (abs value) M #7 (system substitution) M #8 (system addition) F #3 (rational) F #7 (completing the square) F #12 (sq. root property) F #13 (quadratic-like) **Criterion:** NA	**Reporting Period:** 2017-2018 **Criterion Met:** N/A 69% 63% 63% 33% 53% 53% 20% Percent refers to the percentage of students who earned full credit on the problem. (01/22/2019)	

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Identify functions and the domain and range of functions - Identify functions and the domain and range of functions **Course Outcome Status:** Active **Next Assessment:** 2022-2023 **Start Date:** 10/25/2017	**Assignment - Written -** F #1 **Criterion:** NA	**Reporting Period:** 2017-2018 **Criterion Met:** N/A 33% Percent refers to the percentage of students who earned full credit on the problem. (01/22/2019)	
Solve problems involving direct, inverse, or joint variation - Solve problems involving direct, inverse, or joint variation **Course Outcome Status:** Active **Next Assessment:** 2022-2023 **Start Date:** 10/25/2017	**Assignment - Written -** M #4 (variation) **Criterion:** NA	**Reporting Period:** 2017-2018 **Criterion Met:** N/A 6% Percent refers to the percentage of students who earned full credit on the problem. (01/22/2019)	
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	**Assignment - Written -** F #2 (add/sub rational) F # 4 (square roots) F #5 (simplify radicals) F #6 (add/sub radicals) F #8 (discriminant) F #9 (multiplying rational) F # 10 (simp. rat'l exp.) F #11(rationalizing) F #15 (add/sub rational unlike) F #16 (add/sub rational unlike) F #17 (complex fractions) **Criterion:** NA	**Reporting Period:** 2017-2018 **Criterion Met:** N/A 47% 53% 53% 60% 60% 67% 67% 33% 40% 53% 73% Percent refers to the percentage of students who earned full credit on the problem. (01/22/2019)	
Solve a variety of real-world problems - Solve a variety of real-world problems **Course Outcome Status:** Active **Next Assessment:** 2022-2023	**Assignment - Written -** M #5 (function) F # 14 (Pythagorean) **Criterion:** NA	**Reporting Period:** 2017-2018 **Criterion Met:** N/A 100% 67% Percent refers to the percentage of students who earned full credit on the problem. (01/22/2019)	**Action:** Tools for assessment: Midterm (denoted by M) and the Final (denoted by F). 16 students took the midterm exam. Average: 60.94%, Median: 81.35% 15 students took the final exam. Average: 62.44%, Median: 77.35% Of the 17 students who completed the course, there were 4 grades of

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			'D' or 'F'. Although the results of mastery of the learning outcomes seem depressing, this is an improvement over the last semester in which closer to 1/3 of the students earned grades of 'D' or 'F'.

Uniformly, the results on the learning outcomes is overwhelmingly disappointing. From the previous semester I introduced more low-risk assessments, but it seems to have had little outcome on the mastery of the outcomes. The major change I will implement for this coming semester is introducing more problems in the modules. Again, these will be low-risk opportunities for students to gain more feedback from me. (01/22/2019) |