Data Collection: Comprehensive exams were collected by the department assessment coordinator. The problem was scored by the faculty for readability, validity and fluency using the rubric found in Appendix A.

Data Analysis:

Course Assessed:

MATH 692 Graduate Capstone

Math 692, PLO 3/Masters

Problem 5: Consider the equation ex = 3x 2 (a) Prove that the equation has exactly three real solutions. (b) Let be the largest of the three solutions. Use Newton's Method to find an approximation of with an absolute error of less than 10-7.

	Missing	Emerging	Developing	Mastering
Readability	0%	0%	20%	80%
Validity	0%	0%	0%	100%
Fluency	0%	0%	40%	60%

These scores indicate that 100% of the students have mastered the ability to write a valid solution, 80% mastered writing a readable solution and 60% have mastered writing a fluent solution. Only 40% of the students are still developing writing fluent solutions. The department should consider strategies to increase the percentage of students mastering this communication skill.

Problem 4:	Prove that a series of functions converges to a function that is continuous on R.

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Communication RVF Rubric – Readability, Validity, Fluency

	Missing (0)	Emerging (1)	Developing (2)	Mastering (3)
Readability	Informal or non-mathematical language is used. There is misuse of notation/symbols.	Some improper mathematical language or notation is used.	Mostly proper mathematical language and notation is used.	Proper mathematical language and notation is used.