

General Education Problem Solving Rubric



Problem solving is the ability to comprehend and evaluate fundamental or complex issues and apply appropriate solutions.

Problem Solving Student Learning Objectives:

PSDA1 Data analysis – Students will demonstrate ability to apply statistical and logical techniques for modeling and evaluating data.

PSCT2 Creative thinking – Students will demonstrate ability to integrate knowledge and freely associate diverging ideas to generate novel solutions.

PSCR3 Critical reasoning – Students will employ logical thinking to comprehend and analyze issues and make appropriate decisions.

Sampling Methodology:

All courses measuring the “problem-solving” skill will use this rubric: MAT 1033, MAT 1313/1314, MAT 1753, CSC 1123, BAD 2533, ENG 2423, ENG 2433, HIS 1163, HIS 1173, HIS 2213, HIS 2223, MFL (all courses), SOC 2113, PSY 1513, PSY 2553, EPY 2533, BIO 1134, BIO 1144, PHY 2244, PHY 2254, ENG 1033, ENG 1113/1114, ENG 1123, SPT 1113, SPT 2173, ART 1113, MUS 1113, DAN 1113, SPT 2233, ECO 2113, ECO 2123, EPY 2513

Problem Solving Objectives	Area of Opportunity		Proficient		SLO Reporting	
	Ineffective (1)	Adequate (2)	Effective (3)	Exemplar (4)	Number of Students Assessed	Number of Students w/ Successfully Demonstrated Competency
PSDA1 <u>Data analysis</u> – apply statistical and logical techniques for modeling and evaluating data.	Student does not demonstrate ability to apply statistical and logical techniques for modeling and evaluating data.	Student demonstrates minimal ability to apply statistical and logical techniques for modeling and evaluating data.	Student demonstrates consistent ability to apply statistical and logical techniques for modeling and evaluating data.	Student demonstrates exceptional ability to apply statistical and logical techniques for modeling and evaluating data.		
PSCT2 <u>Creative thinking</u> – integrate knowledge and freely associate diverging ideas to generate novel solutions.	Student does not demonstrate ability to integrate knowledge and freely associate diverging ideas to generate novel solutions.	Student demonstrates minimal ability to integrate knowledge and freely associate diverging ideas to generate novel solutions.	Student demonstrates consistent ability to integrate knowledge and freely associate diverging ideas to generate novel solutions.	Student demonstrates exceptional ability to integrate knowledge and freely associate diverging ideas to generate novel solutions.		
PSCR3 <u>Critical reasoning</u> – employ logical thinking to comprehend and analyze issues and make appropriate decisions.	Student does not demonstrate ability to employ logical thinking to comprehend and analyze issues and make appropriate decisions.	Student demonstrates minimal ability to employ logical thinking to comprehend and analyze issues and make appropriate decisions.	Student demonstrates consistent ability to employ logical thinking to comprehend and analyze issues and make appropriate decisions.	Student demonstrates exceptional ability to employ logical thinking to comprehend and analyze issues and make appropriate decisions.		