

Math B1B Precalculus II

Student Learning Outcomes or AUO	Measure	PLO	ILO	GE
1. Translate applications of distance, angle and wave behaviors by identifying and applying appropriate trigonometric formulas, and then solve and interpret solutions.	Embedded	PLO 2	II	B.2.14
	exam	PLO 5	I	
	question		III	
2. Classify trigonometric functions. Apply appropriate identities and formulas to evaluate, simplify and solve equations.	Embedded	PLO 1	III	B.2.14
	exam	PLO 2	II	
3. Demonstrate mathematical knowledge by clearly communicating concepts in written, verbal and graphing forms, including proofs.	question			B.2.14
	Embedded	PLO 2	II	
	exam	PLO 3	I	
	question		III	
		PLO 4	I	
		II		
		III		

PLOs:

- 1. Demonstrate an understanding of functions from multiple perspectives.*
- 2. Use numerical, graphical, symbolic, and verbal representations to solve problems and communicate with others.*
- 3. Use technology as a tool for exploring mathematical concepts.*
- 4. Demonstrate an ability to work with mathematical abstractions, analyze mathematical relationships, make plausible conjectures, and develop proofs.*
- 5. Synthesize mathematical knowledge.*

ILOs:

- I. Think critically and evaluate sources and information for validity and usefulness.*
- II. Communicate effectively in both written and oral forms.*
- III. Demonstrate competency in a field of knowledge or with job-related skills.*
- IV. Engage productively in all levels of society – interpersonal, community, the state and nation, and the world.*

GELOs:

Use the GE categories from the catalog if this is a GE course. Areas A-E

General Education Learning Outcomes for Mathematics

B.2 Mathematics and Logic (Analytic Thinking)

14. *Apply formal systems of reasoning in solving problems or analyzing arguments.*