

Math B6C Calculus III

Student Learning Outcomes or AUO	Measure	PLO	ILO	GE
1. Translate application problems such as velocity, acceleration, and displacement; and then analyze the function using the appropriate function.	Embedded exam	PLO 2 PLO 5	II I III	B.2.14
	question			
2. Compute multivariable limits, derivatives, and integrals by using the appropriate calculus techniques.	Embedded exam	PLO 1 PLO 2	III II	B.2.14
	question	PLO 3	I III	
3. Demonstrate knowledge of vector fields by using correct notation, and then determine the type of vector field.	Embedded exam	PLO 2 PLO 4	II I	B.2.14
	question		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.*