



Academic Learning Compact

Degree Program: **Mathematics (BS) (CIP Code 27.0101)**

Intended Program Student Learning Outcomes	Academic Learning Compact(s)	Direct and Indirect Measures	
		Direct Method of Assessment	Indirect Method of Assessment
Students enrolled in Calculus 1 will demonstrate a minimum proficiency in identifying and utilizing laws of limits to solve limit problems.	Critical Thinking, Discipline Specific Knowledge	Direct - Exam (Item Analysis)	Indirect - Student Satisfaction Survey
Students enrolled in College Algebra will demonstrate a minimum proficiency in identifying functions and correctly applying functional notation, graphing functions	Critical Thinking, Discipline Specific Knowledge	Direct - Comprehensive Exam	Indirect - Student Satisfaction Survey

and relations, and performing operations on functions.			
Students enrolled in Differential Equations will demonstrate a minimum proficiency in identifying and solving first order ordinary differential equations.	Critical Thinking, Discipline Specific Knowledge	Direct - Comprehensive Exam	Indirect - Student Satisfaction Survey
FAMU Mathematics Department understands that Faculty Development is important for the success of our rising students. The Math Department believes that Faculty Development is accomplished by encouraging and stressing the importance of having all math faculty members actively attending the ongoing series of FAMU Teaching and Learning Center (TLC) Faculty Development Workshops (FDW) on teaching and learning innovations that enhance instruction, improve student outcomes, and advance FAMU as a leader in evidence-based education each academic year. Math faculty members shall actively	Communication	Direct - Compliance Reports	Indirect - Departmental Survey

<p>participate in at least one of the ongoing series of FAMU TLC Faculty Development Workshop on teaching and learning innovations during the academic year.</p>			
<p>FAMU Mathematics Department understands that faculty members' involvement in research activities is important for the success of our rising math majors. Namely, faculty members' involvement in research activities helps undergraduates prepare for and gain admittance to graduate school because of the unique skills-set the acquired and/or transition into the job market after graduation. Thus, math faculty members shall actively participate in research activities.</p>	<p>Communication, Discipline Specific Knowledge</p>	<p>Direct - Compliance Reports</p>	<p>Indirect - Departmental Survey</p>