



Quality Enhancement Plan

Island TIME: Transition Into Math Excellence

The purpose of FKCC's Quality Enhancement Plan (QEP), Island TIME: Transition Into Math Excellence, is to enhance student learning by improving student performance in developmental mathematics courses and to promote student transition to and success in targeted college-level courses. The focus of the re-designed experience of developmental mathematics instruction is active learning and student engagement.

Taking a closer look at FKCC's first year remedial and at-risk students, the FKCC faculty and QEP Topic Selection Committee discovered through data analysis that more than 63% of FKCC's students entering college for the first time had test scores indicating a need for developmental courses in mathematics. The data further uncovered areas for additional concern: only 39% of our students in Basic Math (Developmental Math I), on average, were successfully completing the course and advancing to Introduction to Algebra (Developmental Math II). Of those students, more than half were withdrawing from their courses, and some even from their degree programs, before their successful completion of Developmental Math II. The fact that FKCC students' struggle with math deters them from proceeding to targeted, college-level courses is a serious cause for alarm for FKCC as it negatively impacts the number of program completers and degrees the institution grants each year and therefore impacts the College's ability to meet its mission. As a result, the FKCC faculty and QEP Topic Selection Committee identified developmental math as the critical area to improve student learning at the College.

To respond, FKCC developed a Quality Enhancement Plan (QEP) that centers specifically on developmental mathematics and supports three goals within the college's strategic plan. As such, the purpose of Florida Keys Community College's QEP, Island TIME: Transition Into Math Excellence, is to enhance student learning by improving student performance in developmental mathematics courses and to promote student transition to and success in targeted college-level courses. The focus of the re-designed experience of developmental mathematics instruction is active learning and student engagement.

The primary drivers of these strategies are a redesign of developmental mathematics courses from a traditional, instructor-centered mode to an updated, student-centered, self-paced and technologically-assisted approach of instruction to improve student learning and the "re-branding" of developmental math courses institution-wide as pathways to enhance student success—as opposed to daunting obstacles.

FKCC's faculty-driven QEP incorporates broad-based participation in each of the project's 6 phases with attention to student involvement; faculty development and support; human, physical and financial resources; data collection and analysis; assessment measures; and continued improvement to the plan to meet its goals, outcomes and student learning outcomes.

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Island Living, Island Learning

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