



# C O K E R

## C O L L E G E

### Quality Enhancement Plan: *Go Figure! Connect With Numbers*

The Quantitative Literacy (QL) QEP seeks to develop quantitatively literate students, and create a campus culture of cross-disciplinary scholarship where mathematics and numerical reasoning are widely used tools for investigation and problem solving. Coker College students will improve their mathematical proficiency, and will understand the application of quantitative reasoning within their major programs.

Our implementation plan for Quantitative Literacy has two distinct goals: student learning and campus culture. In the area of student learning, we are introducing a quantitative component to our developmental math sequence, adding applied problems to our required math courses, and identifying quantitative content in each major program. With regard to campus culture, quantitative literacy will have a widespread academic presence in courses across the curriculum, through incorporation of QL components into general education courses and in the form of information graphics which will be visible throughout the campus and online. Students will engage in co-curricular activities in areas such as international trade, personal finance, game theory, and analyzing athletic statistics. Our ultimate goal is to create an environment where students develop the confidence to use quantitative methods to help them solve problems.

#### Implementation will include three main initiatives:

##### 1) The Quantitative Literacy Center and Director

- The QL Center will be the physical location where the QL Director will implement the majority of the QL initiatives. He or she will work closely with the Director of Learning Support Services to promote QL Center services, to provide ongoing support for faculty teaching developmental mathematics, and to oversee the training and coordination of peer tutors.

##### 2) Course Development

- **Restructured Math Requirement** The traditional core mathematics sequence will be adapted to align with Coker student needs for quantitative literacy education. QL course components will be incorporated into courses beginning with basic skills and culminating in the application of analysis techniques to solve authentic problems.
- **Addition of QL Components to the Major** Students will learn to apply their quantitative literacy and critical thinking skills to genuine, intriguing problems specific to their disciplines.
- **Liberal Arts Studies Program Courses** Faculty members will develop QL components within general education courses (Liberal Arts Studies Program) for the purpose of creating a campus culture where students encounter quantitative information across the curriculum.

##### 3) Campus Culture

- **Student Co-curricular and Extracurricular Activities, Marketing and Communication** A key component of our institutional adoption is increasing the visibility of mathematics and data across campus. Our QEP Implementation Team will work with student organizations to develop, support and assess student engagement in co-curricular QL events.

For more information, contact Dr. Rachel Manspeaker ([rmanspeaker@coker.edu](mailto:rmanspeaker@coker.edu)), Assistant Professor and QEP Implementation Director.