IT STANDS TO REASON: BIG DATA DEMANDS AGILE MINDS

A complex world filled with an unprecedented quantity of information calls for graduates who can analyze data and solve problems. Quantitative reasoning is foundational, helping students succeed in a dynamic global economy.

"The Quantitative Reasoning Center will play a major role in developing key competencies not only for Le Moyne students, but also for community and business partners in Syracuse and throughout Central New York."

President Linda LeMura, Ph.D.

A Place for Reasoning

Le Moyne's Quantitative Reasoning Center (QRC) is housed in a newly renovated 25,000-square-foot space in the Noreen Reale Falcone Library. Designed to support the learning that happens in the classroom and in the field, the QRC integrates vital analytical skills across disciplines and gives our students an edge as they enter careers in a highly competitive and rapidly changing global economy.

Since the analysis of real-world problems is an integral part of a Jesuit, liberal arts education, the new center provides a dynamic environment that empowers students, faculty and community members to deepen their understanding of quantitative reasoning and support its use in wide-ranging applications.

LE MOYNE
Greatness meets Goodness®

Our goal is to advance student learning by providing the resources that address diverse styles and needs by fostering collaboration and communication; providing an environment that encourages individuals to work together; that supports faculty, tutors, and their students; and that extends the Jesuit mission of service by maintaining ongoing dialogue with and providing service to area partners, especially schools and businesses.

Town-Gown Impact

Le Moyne's vision and support of quantitative reasoning are designed to be shared with teachers, K-12 students and businesses throughout the region. Over 50 CEOs signed a letter of support for the QRC because they realize that this center will deliver the competitive advantage our graduates and their current and future employees need. Skills acquired through the QRC such as analyzing, comparing and contrasting, interpreting, synthesizing, and evaluating information are critical to building a 21st century workforce.

Independent Thinking

Quantitative reasoning is the application of critical thinking and mathematical skills to analyze and interpret data within an academic discipline or via an interdisciplinary program. The goal is to draw relevant conclusions from the analysis of large amounts of information.

At Le Moyne, our emphasis on quantitative reasoning teaches students to think critically and apply mathematical and statistical skills to interpret data, draw conclusions, and solve problems. It is not just about mathematics, but rather habits of mind that will produce critical thinkers.

On the Heights, we realize the need for deep quantitative reasoning skills, and so does the greater educational community. In fact, the American Association for Colleges and Universities states that intellectual and practical skills should be "practiced extensively, across the curriculum, in the context of progressively more challenging problems, projects and standards for performance."

The skills gained through quantitative reasoning must be used within each major, and beyond. **For this reason, Le Moyne's focus on quantitative reasoning is critical.**

Gifts for Quantitative Reasoning will endow a director of the QRC, fund outreach to broader student groups, and enhance the QRC as a year-round resource for students and community members. The director will work with students, faculty and staff to improve student learning outcomes throughout the College and develop programming designed to improve quantitative literacy across disciplines, in the community, and in the workforce.

We hope you'll share our enthusiasm for this vital initiative by making a gift that will have a ripple effect on campus, in the community, and in the wider world.

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