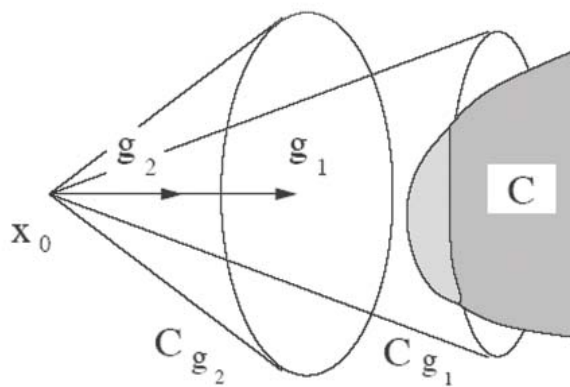


Department at a Glance

Ma+thematics



The Department of Mathematics is the only mathematics department in the State of Hawai'i that offers both an extensive undergraduate and graduate program in mathematics.

Mission

To provide a high-quality mathematics education to majors and prepare them for careers in which mathematical knowledge and analytical skills are in demand; to give advanced mathematical education to Masters and PhD students in a broad variety of fields of specialization; and to offer service courses to students from other departments within the natural sciences, engineering, education, and beyond.

Number of Students

More than 70 declared undergraduate mathematics majors and more than 20 graduate students. There are also 19 students who are working on a minor in mathematics.

In the 2006-2007 academic year, 14 students graduated with a BA or BS degree, six students earned MS degrees, and three were awarded PhDs. That year, including the summer, students registered for about 14,500 credit hours in mathematics courses.

Degrees offered



The department offers a Bachelor of Arts (BA), a Bachelor of Science (BS), a Masters of Arts (MA), and a doctorate degree (PhD). There is an option for a minor and a variety of dual and concurrent degrees. The department is currently developing a certificate in mathematical biology.

Faculty

Currently there are 29 regular faculty members and 13 teaching assistants.

Support

Five faculty members receive support from the National Science Foundation (NSF). Erik Guentner received an NSF

Faculty Early Career Development Award that, among other activities, supports a distinguished lecture series and international workshops in Hawai'i. Monique Chyba's NSF grant with the Autonomous System Laboratory supports her research, undergraduate and graduate students, and outreach to schools. James B. Nation has a scholarship grant that supports a large number of our best undergraduate students and offers them a special lecture series. Leslie Wilson is the principal investigator for an NSF grant that supports undergraduate research experiences in mathematical biology.

Outreach

Individual faculty members interact with the public in many ways, ranging from judging science fairs to organizing mathematics competitions for high school students.

Unique Features

During the regular academic year, all classes are taught by faculty members or visitors who have a PhD and are actively engaged in research. The department has maintained a system in which most classes are taught in small groups of no more than 30 students per section. With a rare exception, this is true for our regular Science-Technology-Engineering-Mathematics (STEM) four semester calculus sequence, our honors calculus courses, and all of our junior and senior classes.

Tutoring

Tutoring is available for pre-calculus and calculus students by qualified mathematics majors free of charge.

Careers

Many undergraduate majors find employment in the financial services industry; others teach high school or attend graduate school either at UH or on the mainland.

Several PhD graduates found positions in one of the other academic institutions in Hawai'i, and some have been successful in academics on the mainland.