

Math 203, Fall 2010: Dynamics of binary asteroid systems

In Math 203 this semester, a team of students, supervised by Dr. Jared Maruskin, will help the **NASA Ames Research Center** plan its missions exploring the solar system, by studying the dynamics of binary asteroid systems. Students will learn the math of basic orbital mechanics, run simulations, and seek qualitative and quantitative results that will be of practical use to NASA as it sends spacecraft to study asteroids.

Registration is by **application only**, and will be a competitive process. Applicants must have good grades in math classes, and should have taken Math 129A, Math 133A, and some form of vector calculus (e.g., Math 112). MATLAB/programming experience is a plus, though students can also just be willing to learn.

What does Math 203 mean in practical terms? Ask our alums:

“CAMCOS gives a student a taste of what it means to be a **real scientist**.” — Alina Alt, SJSU Math MS '06, now working at SGI in Sunnyvale

“During the interview, the focal point of my resume was my experience with Math 203. **This real life experience is what gave me the edge**.” — Felipe Ibarra, SJSU Math BS '03, now working at PG&E in San Francisco

For more information, contact Dr. Hsu (hsu@math.sjsu.edu, x4-5071), Dr. Maruskin, (maruskin@math.sjsu.edu, x4-5092), or see:

<http://www.math.sjsu.edu/camcos>

Alternately, to apply for Math 203, you may e-mail (preferred) or otherwise send Dr. Hsu a neatly typed letter stating your name, campus identification number, address, phone, e-mail address, current employer(s), degree program and GPA, all math/CS courses taken (with grades), and a description of your computer programming experience. Most importantly, list the names of at least one faculty member who is willing to recommend you for the class.