

NEW Course Announcement: AMS-536

Molecular Modeling of Biological Molecules

1/26/2005

Instructor: Dr. Robert C. Rizzo [631-632-9340, rizzo@ams.sunysb.edu]

Course: AMS-536, Spring 2005 (3 credits or 0 audit)

Syllabus: <http://www.ams.sunysb.edu/~rizzo> (go to Teaching)

When: Monday/Wednesday, 11:20AM-12:40PM, Math Tower SINC Site, Room S235

Office Hours: Tuesday/Friday, 2:00-4:00 PM or by appointment, Room 1-101, Dept. of Applied Math & Statistics

Dear Stony Brook Students and Faculty,

This Spring I will be teaching a new Computational Biology course called "Molecular Modeling of Biological Molecules", AMS-536. I would appreciate you bringing the course to the attention of any students you feel would be interested.

AMS-536 is designed for students who wish to gain hands-on experience modeling biological molecules at the atomic level. In conjunction with the participants' interest, Molecular Mechanics, molecular dynamics, Monte Carlo, Docking (virtual screening), or Quantum Mechanics software packages will be used. Projects will include setup, execution, and analysis. Students will work on individual projects outside of class. Course participants will give presentations relevant to the simulations being performed and a final project report will be required. Familiarity with Unix (Linux) is desirable but not absolutely necessary.

All interested students should contact me prior to enrolling via the university SOLAR system. Prerequisites are AMS-535 (Fall semester) "Introduction to Computational Structural Biology and Drug Design". Students that have not taken AMS-535 but have a basic understanding of Molecular Modeling may request permission to enroll. Participants may register for 3 credits or 0 audit. Grades will be based on attendance, class participation, quality of the presentations, and the final project report.

This should be a very exciting course.

Sincerely,
Rob Rizzo

If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact Disability Support Services (631) 632-6748. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential. Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information go to the following website: <http://www.ehs.sunysb.edu> and search Fire Safety and Evacuation and Disabilities.