

COURSE ANNOUNCEMENT

SPRING 2003

CBS 521

**Applications and Complex
Problem Solving in
Computational Biology**

Instructor: Dr. Rosemary Renaut
Time: 10:40 – 12:30 Monday - Wednesday - Friday
Location: LSE 236
Line #: 54985
Credit Hours: 4

Topics: This course focuses on scientific computing skills required in Bioinformatics. The course is a continuation of CBS520 taught in Fall 2002, but has an increased emphasis on team problem solving activities. The major concepts to be covered are the same as for CBS 520, but augmented to cover any topic required for specific problem solving activities. Students will be expected to carry out independent and guided research toward the solution of assigned team problems. All activities will require the development and presentation of project results, orally and in written form, with appropriate provision of software tools for regeneration of results.

Note - Students who did not take CBS520 in Fall 2002, must contact the instructor, Professor Renaut, renaut@asu.edu, prior to registration for the course. If the course is oversubscribed preference will be given to those students enrolled in the Computational Biosciences master's program.

Course materials: primarily web based.

Some recommended literature:

Biological Sequence Analysis, Durbin et al.
Computational Molecular Biology, Pevzner