

Invisible College Project:

Collaborators: Rachel Watson, Christi Boggs

### **Project Description:**

General Chemistry 1020 has an enrollment of 180- 200 students. In this type of lecture-based course it can be difficult to provide student feedback, interactivity and adequate examples of complex ideas. In this project, technology was used in an attempt to address these concerns. All lecture notes, links to webpages, homework assignments and answers, exam reviews and additional resources were placed on a webpage that was accessible to all students. In addition, 7 quizzes were given throughout the semester that were taken, scored and reported completely online using WebCT. Also using this online teaching tool, it was possible for students to check their grades at any time and for TAs to enter laboratory scores. For in-class discussions, lectures were reworked and presented in an electronic format which enabled the inclusion of illustrations and animations to help in the understanding of difficult to visualize points. In order to determine whether the students think they benefitted from the technology integration, several means of assessment will be used. Two student focus groups will meet to discuss what they felt were the benefits and drawbacks of the technology integration. Students in the focus groups are volunteers who either strongly favor or disagree with technology as a teaching tool. Evaluations will also be given in order to receive entire class feedback.

### **Budget:**

The grant money will be used to attend and present a round-table or poster session at the AACE ED-MEDIA 2003 Conference in Honolulu, Hawaii (if accepted). The AACE is the Association for the Advancement of Computing in Education and ED-MEDIA 2003 is the World Conference on Educational Multimedia, Hypermedia & Telecommunications. This conference would be professionally beneficial from a learning perspective as well as an excellent opportunity to present at an international conference. If this conference does not work out the money would still be requested for participation in some other Educational Conference.

Total Conference Fee:	\$645
Approximate Plane Tickets:	\$1400

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