



Inquiry in the Science Classroom

CHEM 4185/5785

Summer 2007

Instructor Dr. Sharmistha Basu-Dutt sbdutt@westga.edu
Ph: (678) 839-6018 Rm 2131 TLC Office Hours: M – F 5-6 pm

Class Time/Place M, T, W, R, F (June 4 - 8, 2007) 9 am – 4:30 pm TLC 2131, 3104

Textbook Inquiry and the National Science Education Standards: A Guide for Teaching and Learning, National Research Council, National Academy Press, 2000.

Course Details This course is targeted to provide K-12 science teachers ideas to incorporate inquiry learning in the science classroom. The participants will attend the Summer Learning Festival hosted by UWG as well as participate in a variety of hands-on activities to experience different forms of inquiry.

Course Grades Participants will write five papers, each worth 20 points, for a total of 100 points. The first three papers will summarize what they learn at various sessions at the Summer Learning Festival scheduled for Monday - Wednesday. The fourth paper will summarize how they will adapt hands-on activities they participate during the week in their own classroom setting. The fifth paper will be in the form of a final exam with broader, open-ended questions based on selected readings from the textbook.

> 90.0% : A; 80-89% : B; 70-79% : C; 60-69% : D <60.0% : F

Course Outcomes On successful completion of the course, the participant will be able to:

- (1) understand the relevance of inquiry in teaching science.
- (2) develop inquiry based activities in the sciences.