

## SCHOOL OF CHEMISTRY - BRIDGING COURSE HANDBOOK

Each year, the School of Chemistry conducts a Preliminary Chemistry course also known as a Bridging Course which is designed for students who have not completed year 12 HSC Chemistry and who are intending to enter a course at the University of Sydney where that course requires a knowledge of chemistry. Some students who have actually completed HSC Chemistry but who want to revise or improve their understanding of the subject also undertake this course which is held in February each year.

The course is structured as a series of lectures, each followed by a small group tutorial based on 13 topics which relate to fundamental chemical principles. The seven day course is very intensive and has been found to provide a sound basis for study of first year chemistry. The compressed time interval students face between acceptance of entry to their chosen faculty and the start of lectures often means that they are enrolling in the Bridging Course within a few days or less of its starting. Consequently it seems desirable to provide the outline and course material on-line so that intending students can prepare ahead for the course, perhaps making use of the lengthy period between the end of the HSC and the offer of courses. In particular, the first few Topics of the Bridging Course require a lot of rote learning because a sound knowledge of chemical formulas is the first essential to later Topics involving for example, chemical calculations. Spending some time on at least the first few Topics well beforehand will aid greatly when the course starts. The course material posted here includes for each Topic, a detailed outline of the lecture, the tutorial questions and their worked answers. This material will be provided as hard copy for students who attend the course. At the course, each lecture lasts for about an hour and the subsequent tutorial for about 2 hours.

Students who want to enroll in the course should contact Jeanette Hurst by email at [hurst@chem.usyd.edu.au](mailto:hurst@chem.usyd.edu.au) from early in January.

Any queries relating to the course material should be emailed to Don Radford at [radford@chem.usyd.edu.au](mailto:radford@chem.usyd.edu.au)

