

CHE 580-001 Topics in Chemistry:
CHEMICAL CRYSTALLOGRAPHY

Spring 2007

This course is an introduction to x-ray crystallography with an emphasis on typical applications of interest to synthetic chemists.

Roughly one half of the course is lecture based. The fundamentals of x-ray crystallography, including symmetry and diffraction physics are illustrated using real structure determinations. The modern language and methods of crystallography are given in their correct historical context. The other half of the course is based in the x-ray laboratory where hands-on use provides familiarity with crystal handling, x-ray equipment and computer programs.

Class Meets: MWF 11:00 - 11:50
Room: CP-208 and CP-146 (X-Ray Lab.)
3 Credits

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