

## Chemistry 414: Bioinorganic Chemistry

Spring Semester, 2008

*Instructor:* Patrick Holland  
126 Hutchison Hall  
Phone: 3-3092  
holland@chem.rochester.edu

*Office Hours:* 126 Hutchison Hall, by appointment.

*Web Site:* <http://www.chem.rochester.edu/~chem414/>

*Meetings:* Mon, Wed, Fri 10:00-10:50 a.m. in 420 Hutchison Hall.

*Required Text:* *Biological Inorganic Chemistry* (Bertini, Gray, Stiefel, Valentine)

*Prerequisites:* CHM 211, CHM 411, prior course in Inorganic Chemistry, or permission of instructor. It is possible to do well in this class without prior inorganic chemistry experience, if you concentrate on review near the beginning of the class.

*Grading:* 2 Problem Sets (10% of grade each)  
2 Class Presentations (15%, 25% of grade)  
• Presentation on two current topics, by two-student teams  
2 Take-Home Exams: Midterm & Final (15%, 25% of grade)

*Discussion:* There will be frequent class discussions, and students must keep up with the reading and must participate in discussion.

*Supplementary Texts:* The following texts are on reserve in Carlson Library.

*Inorganic Biochemistry*, 2<sup>nd</sup> ed., Cowan

*Bioinorganic Chemistry*, Bertini, Gray, Lippard, Valentine

*Principles of Bioinorganic Chemistry*, Lippard & Berg

*Inorganic Chemistry*, 3<sup>rd</sup> ed., Meissler & Tarr

*Inorganic Chemistry*, 3<sup>rd</sup> ed., Shriver & Atkins

*Biochemistry*, 4<sup>th</sup> ed., Stryer

*Biochemistry*, 2<sup>nd</sup> ed., Voet & Voet

*Bioinorganic Chemistry*, Trautwein

*Physical Methods in Bioinorganic Chemistry*, Que

*Bioinorganic Chemistry*, Kaim & Schwederski

See also links on the course website.