

Grading: There will be two mid-term exams (20% each), a final exam (20%), problem-based homework (20%) and essays (ca. 2 pages/each; 20%).

Homework: Homework will be assigned approximately weekly and is due at the *beginning* of class on the date noted. Homework turned in within 24 hours of the due date will be given 50% credit and after 48 hours no credit. I will accept and correct homework after 48 hours: Practicing the concepts presented in class is more important than the grade on an individual assignment.

Essays: There will be 4–5 short written assignments (ca. 2–4 pages) dealing with fundamental topics in organometallic chemistry. Further details supplied in class. No homework or a limited problem set will be due on the weeks of an essay assignment.

Important dates:

Monday February 26, exam 1
Monday April 16, exam 2
Friday, May 4, last class
Tuesday, May 8 at 10:30 am, final exam

No lectures:

Monday 2/19, Presidents' Day
Monday – Friday 3/12–3/16

Supplemental texts

Principles and Applications of Organotransition Metal Chemistry by J. P. Collman, L. S. Hegedus, J. R. Norton, R. G. Finke; University Science Books, Mill Valley, California, 1987. ISBN: 0935702512.

Organometallic Chemistry by G. O. Spessard, G. L. Miessler; Prentice Hall, 1997. ISBN: 0136401783. Second edition: 978-0-19-533099

Organometallics (Third edition) by Christoph Elschenbroich; Wiley-VCH, Weinheim, 2006. ISBN: 3527293906

The Organometallic Chemistry of the Transition Metals, 4th Ed. by R. H. Crabtree; Wiley-Interscience, 2005. ISBN: 0471662569.

Oxford Primer No. 12: Organometallics 1 – Complexes with Transition Metal-Carbon σ -Bonds by M. Bochmann, Oxford University Press, Toronto, 2002. ISBN: 0198557507.

Oxford Primer No. 13: Organometallics 2 – Complexes with Transition Metal-Carbon π -Bonds by M. Bochmann; Oxford University Press, Toronto, 2001. ISBN: 0198558139.

Selected standard inorganic chemistry texts:

Inorganic Chemistry by Huheey, Keiter, and Keiter

Inorganic Chemistry by Shriver, Atkins, and Langford

Inorganic Chemistry by Meissler and Tarr

Inorganic Chemistry by Housecroft and Sharpe