CHEM*4880 TOPICS IN ADVANCED PHYSICAL CHEMISTRY: STATISTICAL THERMODYNAMICS AND QUANTUM CHEMISTRY
WINTER 2006
COURSE OUTLINE

Instructor: Professor John D. Goddard e-mail: jgoddard@uoguelph.ca
Extension. 53102 Office: 340 MACN

Recommended Texts:

Physical Chemistry.
Quantum Chemistry and Spectroscopy.
Quantum Chemistry. 5th ed.

Calendar Description:
CHEM*4880 Topics in Advanced Physical Chemistry W(3-0) [0.50]:
Selected topics in advanced physical chemistry. (Offered in even-numbered years.)
Prerequisites: (CHEM*2820 or PHYS*3240), (CHEM*3860 or PHYS*3230)

Topics
Topic A: STATISTICAL THERMODYNAMICS.


**Topic B: QUANTUM CHEMISTRY.**

1. Review of the Postulates of Quantum Mechanics and Their Consequences. Dirac Bra-ket Notation.


**Class Schedule:**
Lectures: Monday, Wednesday, Friday 09:30 – 10:20 MACN 201

**Evaluation:**
Problem Assignments  30
Mid Term Exam  30  (Probably during lecture time on Wednesday, March 1,2006.)
Final Exam  40

TOTAL  100