

# CHEMISTRY 236.02

## Spring 2008

**Instructor:** Jim Patterson

**Website:** <http://faculty.northseattle.edu/jpatterson/>

**Email:** [jpatterson@sccd.ctc.edu](mailto:jpatterson@sccd.ctc.edu)

**Office** IB 2325A

**Phone** 526-7005

**Office hours** Tu & Th 8:30-9 am, M 2-3 pm and by appointment

**Lecture:** M-Th 9-9:50 pm in ED 1840A

**Text:** "Organic Chemistry" by Bruice, 5<sup>th</sup> edition. Available at the book store. We will cover selected sections from chapters 16-27 during the quarter. Initially we will also cover sec 10.12 (Grignard reactions) 12.16, 12.18, 12.19 (color chemistry) and 15.10-15.11 (organic dyes) from earlier chapters. On the back page of the syllabus are listed sections that will be omitted from study. Also listed are recommended study problems for each chapter.

**Prerequisite:** CHE 235 (2.0 or better)

**Graded material:** Exams-3 at 100 pts each  
In-class group assignments- approx 3-5 at 20 pts each  
Final exam- (ACS cumulative exam)

**Exam schedule:** Exam #1 Thursday, April 24 (approx chap 16, and 17)  
Exam #2, Thursday May 15, (approx chap 18, 19 and 20)  
Exam, #3 Thursday, June 5 (approx chap 21, 22, 26 & 27 )  
Final, Thursday, June 12 from 8-10 am (ACS cumulative exam)

**Grade calculations** – Below are the approximate grades you will receive for a given percentage of total points (total points from all exams and in class assignments). Also considered in your final grade is improvement during the quarter.

| <u>Percentage</u> | <u>Grade</u> |
|-------------------|--------------|
| 95-100            | 4.0          |
| 90-95             | 3.7          |
| 85-90             | 3.3          |
| 80-85             | 3.0          |
| 75-80             | 2.7          |
| 70-75             | 2.3          |
| 65-70             | 2.0          |
| 60-65             | 1.7          |
| 55-60             | 1.3          |
| 50-55             | 1.0          |

(over)

**Text reading--Sections to omit from each chapter** (your will be responsible for all sections not listed here) Note that these chapters are in order that they will be covered in class—This section may be updated as we go through the quarter and changes will be posted on the web and announced in class.

Chapter # 16 omit 16.3, 16.4, 16.18-16.20

Chapter #17 omit 17.7, 17.11-17.15

Chapter #18 omit 18.5-18.7, 18.10, 18.21, 18.22

Chapter #19 omit 19.6-19.9

Chapter #20 omit 20.4-20.10

Chapter #21 announced as we go through the chapter

Chapter 22 announced as we go through the chapter

Chapter 23, 24 & 25 Not covered

Chapter 26 announced as we go through the chapter

Chapter 27, announced as we go through the chapter

**Study Problems.** During lecture practice problems will be given from each chapter of the text. These problems will *not be graded* but it is recommended that you do them order to prepare for the exams. These problems will be indicative of the type of questions on the exams. The answers to some of these questions are at the end of the text starting on page A-24. If the answer is not in this section then it will be in the “Study Guide and Solutions Manual” which will be on reserve in the library.

#### **Miscellaneous:**

**In-class group assignments.** At various times during the quarter you will break down into groups of 2,3 or 4 to work on an assignment during class time. At the end of the class period your group will turn in the assignment and it will be graded. All students in the group will receive the same grade. We will not have set dates for these assignments but they will be given at times that correspond with the pace of the lecture. Answer keys to these assignments (as well as the exams) will be posted on the class website.

If you miss an In-Class group assignment you will have to complete it on your own on return it to me 24 hours after you receive it.

**Course attendance.** I will not take roll during the quarter but you are responsible to obtains notes from a fellow student if you miss a lecture.

You cannot miss an exam. If you have extenuating circumstances that prevent you from taking an exam at the assign time, please let me know as soon as possible of your situation.