

CHEMISTRY 307
ORGANIC CHEMISTRY II
FALL 2011

Instructor: R. A. Coleman, Integrated Science Center, room 1056
My weekly schedule is sufficiently hectic to not allow me to schedule regular office hours. However, I am happy to have you email me with your available times. I'll pick one for an appointment and let you know by return email. My e-mail address is: RACOLE@WM.EDU. My office phone number is 221-2679 (but I prefer to be contacted by email).

Teaching Assistant: Taylor Broome, Integrated Science Center, room 1061 (Coleman research lab).
Taylor will hold office hours each Monday between 3:00 and 5:00 p.m. in ISC 1061. She may be reached at tmbroome@email.wm.edu to schedule appointments.

Text: "Organic Chemistry", 5th edition, by Brown & Foote
A study guide, model kit, and Chem Office software are also available. Model kits may be used on tests.

General information: Four hourly tests, each worth 200 points, will be given on the following Wednesdays:

Wed., Sept. 14

Wed., Oct. 5

Wed., Oct. 26

Wed., Nov. 16

The final exam will consist of a fifth test (worth 200 points covering chapters 25, 26, 27, 28) and an optional comprehensive section (worth 200 points). The comprehensive section is available to those who were absent from one of the earlier tests or to those who wish to improve a score from an earlier test. Said another way, the course is worth 1,000 points and your course grade will be determined by your five highest 200 point units.

In preparation for each test you are urged to concentrate on class notes and discussion and suggested problems. The text will serve as a supplement to the notes. Help sessions will be held on Monday and Thursday of each week from 5 – 6 p.m. in ISC 1127.

WEEKLY ASSIGNMENTS:

WEEK OF:

August

22: Review, ch 10

29: ch 11, 15

September

5: ch 15, 16

12: ch 16, 17;

TEST I (10,11,15)

19: ch 17, 18

26: ch 18

October

3: ch 19;

TEST II (16,17, parts of 18)

10: Fall Break; ch 19

WEEK OF:

October

17: ch 20

24: ch 21

TEST III (rest of 18, 19, 20)

31: ch 22,23

November

7: ch 23, 25

14: ch 25; 26

TEST IV (21,22,23)

21: ch 26, 27; Thanksgiving

28: ch 27, 28

<<< **FINAL EXAM: FRIDAY, DECEMBER 9TH, 9:00 – 12:00 NOON** >>>

Chemistry 307
Suggested Readings & Problems
Fall 2011

Try all problems within each assigned section of a chapter and the following end-of-chapter problems.

TEST I

- Chapter 10: Readings: Skip 10.7
Problems: 14, 15, 16, 17, 18, 20, 21, 29, 30, 31, 35
- Chapter 11: Readings: Skip 11.5B, 11.6, 11.8A,D, 11.12
Problems: 10, 11, 15, 16, 17, 24, 25, 26, 27, 31 (try a few)
- Chapter 15: Readings: All sections
Problems: 7, 8, 11, 12, 14

TEST II

- Chapter 16: Readings: Skip 16.10B (sections 16.9 and 16.12 will be covered with chapter 19)
Problems: 14, 15, 18, 19, 20, 23 (a,b,c), 24, 30, 31, 38, 43, 51, 52
- Chapter 17: Readings: Skip 17.5B
Problems: 7, 8, 10, 15, 18, 19, 25, 26, 32, 40
- Chapter 18: Readings: All sections
(parts) Problems: 12 (try a few), 13 (try a few), 19, 20, 23, 27 31, 32

TEST III

Remainder of Chapter 18

- Chapter 19: Readings: All sections, INCLUDING Chapter 16: sections 16.9 and 16.12
Problems: 18, 19, 20, 29, 30, 46
- Chapter 20: Readings: Skip 20.3 and ADD Chapter 24: section 24.6
Problems: Chapter 20:8, 9, 10, 11. Chapter 24: 25, 27, 29

TEST IV

- Chapter 21: Readings: Skip 21.4E
Problems: 9, 16, 32, 35, 38, 49 (try a few)
- Chapter 22: Readings: All sections
Problems: 19, 20, 21, 30, 33
- Chapter 23: Readings: Skip 23.8, 9, 10
Problems: 16, 18, 25

TEST V

- Chapter 25: Readings: All sections
Problems: 9, 11, 20
- Chapter 26: Readings: All sections
Problems: None assigned.
- Chapter 27: Readings: Skip 27.5
Problems: 9, 16, 23, 24, 26
- Chapter 28: Readings: Skip 28.3, 28.5
Problems: 11, 20, 21, 22, 23, 25, 32, 37