

**Department of Chemistry and Biochemistry**  
**Introductory Organic Chemistry I – 59-230/232**  
(MWF 1:30-2:20 104 ODETTE)

Dr. James Green  
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<http://mutuslab.cs.uwindsor.ca/green/59-230>

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**CHAPTER 1- INTRODUCTION**

**CHAPTER 2 – THE SIMPLEST ORGANIC MOLECULES – THE HYDROCARBONS**

**CHAPTER 3 – THE SHAPES OF ORGANIC MOLECULES – STEREOCHEMISTRY**

**CHAPTER 4 – REACTIONS – BASIC PRINCIPLES**

**CHAPTER 5 – REACTIONS OF ALKANES, ALKENES, ALKYNES**

**CHAPTER 6 – MORE STEREOCHEMISTRY, AND NUCLEOPHILIC SUBSTITUTION**

**CHAPTER 7 – ALCOHOLS, ETHERS, AMINES, ALKYL HALIDES, AND INTRODUCTIONS TO CARBONYL CHEMISTRY (ALDEHYDES AND KETONES)**

**CHAPTER 8 – MORE CARBONYL CHEMISTRY – ACIDS AND DERIVATIVES**

**Course Texts: Required Texts**

- 1)“The New and Improved ABC’s of Organic Chemistry” (McIntosh, in Bookstore, \$ 42.40)
- 2)“The ABC’s of Naming Organic Compounds” (McIntosh, available in the Bookstore, \$ 20.35)
- 3)“Introductory Organic Chemistry Laboratory Manual-230 *students only* (available in the Bookstore (\$18.00 tax)
- 4) Molecular Model Kit – from the bookstore (ESSENTIAL-NECESSARY FOR 1 LAB)

**Possible substitute/supplement for #1**

“Organic Chemistry” (John McMurry, 7<sup>th</sup> Ed. – in Bookstore, \$\$\$)

*This book (McMurry) will be used in 59-235 next semester. However, the course will follow the content of "The ABC's" much more closely. I recommend the ABC's, and then the McMurry book only if you find the ABC's lacking; Chem and Biochem majors may want to purchase this at some time for long-term reference.*

**Optional Aids**

Answer manual for “ABC’s” text – available from Document Imaging Centre (\$17.65)

**Marking Scheme**

	<u>230</u>	<u>232</u>	
Term Tests	30%	50%	Oct. 9 and Nov. 13 (subject to room - 50 min in class time)
Laboratory	25%	-----	Including Lab Exam (Nov. 25, 7 pm – subject to room, 50 min)
Final Exam	45%	50%	Sat., Dec. 12 at 3:30 pm (3 h)

**Note:** A passing grade in the laboratory is required for a passing grade in 59-230. **Labs start the week of Sept. 14.**

**Grades:** The final grade in this course will be determined on the accumulated mark %, and converted into a letter grade based on the following:

≥93.00	A+	≥86.00	A	≥80.00	A-
≥77.00	B+	≥73.00	B	≥70.00	B-
≥67.00	C+	≥63.00	C	≥60.00	C-
≥57.00	D+	≥53.00	D	≥50.00	D-
	≥35.00	F	<35.00	F-	

**Office Hours:** I prefer not to set strict office hours, but I will make an effort to be in my office Mon/Wed 10:30 am-noon, and Tues/Thurs 2:00 pm – 4:00 pm.

**Department of Chemistry and Biochemistry at the University of Windsor**  
**Guidelines for Examinations, Assignments and Laboratory Reports**

**Cheating and Plagiarism**

1. During an examination, students must not have in their possession any unauthorized books, notes, or extraneous material, unless permitted by the instructor.
2. All incidents of cheating and plagiarism will be reported by the instructor directly and immediately to the Departmental Head for consideration of disciplinary action as delineated in Senate By-law 31.

**Calculators**

1. Students may only use calculators approved by the Faculty of Science and/or their instructors. Programmable calculators and calculators with infra-red transmission capability are not permitted.

**Absence**

1. Attendance of laboratories and mid-term examinations is MANDATORY.
2. Students who miss a mid-term examination or laboratory must provide written documentation to justify an absence. Unexcused absences or incomplete laboratory reports will result in a grade of incomplete, which in turn will result in a grade of incomplete for the course.
3. Such a student should call the departmental office 253-3000 x3521 to report his/her name and the examination missed within 24 hours of the exam.
4. Written documentation justifying the absence must be presented within 48 hours of the examination or as soon as possible.
5. Excuses will not be accepted after a student has taken an examination.

**Midterm examination**

1. Only examinations written in non-erasable ink will be considered for a grade appeal.
2. All grade appeals must be accompanied with a written rationale for the grade appeal. Requests such as "see question xx" contain insufficient information and will not be considered for a grade appeal.
3. All grade appeals must be made either within five working days after the examination is returned to the class, or by a date designated by the professor.

**Laboratory Reports/Assignments**

1. Plagiarism is defined at 'Undergraduate Regulations' the University Calendar and at <http://www.uwindsor.ca/units/studentservices/main.nsf/inToc/751D046EECCA7AD285256FDA005E2A9A>. Students are reminded that copying laboratory reports and assignments constitutes plagiarism. When two or more laboratory reports/assignments containing substantially identical material are submitted, a grade of 0 will be assigned to each student, and the incident will be reported to the Department Head.

**Final Examinations**

1. A student may inspect his/her own corrected final examination.
2. All posted final grades are unofficial, and non-negotiable.
3. Students who wish a formal appeal of their final examination/grade as described at 'Academic Regulations' in the Calendar may complete the appropriate paperwork at the registrar's office. In general, successful appeals will be based solely on academic merit. Grade appeals to satisfy admission or scholarship requirements or other program prerequisites will be rejected.

(These guidelines were approved by the Departmental Council on 19 Dec. 1996; updated Sep. 2003)