

University of Rhode Island; Department of Chemistry  
CHM 291: Organic Chemistry 1  
Fall 2017; MWF 10-10:50am, Beaupre 215

Course Instructor	Matt Kiesewetter 325C Beaupre Center <a href="mailto:mkiesewetter@chm.uri.edu">mkiesewetter@chm.uri.edu</a>
Office Hours	Wed and Thurs 1:30-2:30 and by appointment
Textbook	(suggested) Solomons, Fryhle and Snyder, <i>Organic Chemistry</i> , 12 <sup>th</sup> Ed (ISBN 978-1-118-87576-6) -OR- <a href="#">loose-leaf version plus WileyPLUS</a> (Chapters 1-8 and 10) (optional) Solomons, Fryhle and Snyder, <i>Study Guide and Solutions Manual 12<sup>th</sup> Ed.</i> (ISBN 978-1119077329)
Course Goals	CHM 291 and 292 is a year-long, rapid-pace tour of organic chemistry. This entire course is framed around the intuitively obvious conclusion that carbon has 4 bonds; the rest is just details. The goal of CHM 291 is to lay the intellectual framework upon which a diverse platform of chemical transformations can be placed in CHM 292. In essence, CHM 291 is a language course, and students taking first semester organic chemistry can expect to learn more new words than students taking French 1. This occurs in the background among a delivery of dense scientific content that enables the students to interact with the world around them on an entirely new level, one in which discrete objects can be viewed as consisting of individual molecules and where individual molecules are simply occupying a resting state on their path to becoming a different chemical compound. The language of CHM 291 includes chemical structure and bonding, acid/base chemistry, chemical nomenclature, stereochemistry, chemical reaction energetics, reaction mechanisms, radical reactions, nucleophilic chemistry and the chemistry of unsaturated compounds. Students that successfully complete this course will never look at an arrow the same way again.
Learning Outcomes	Conceptual mastery of: tetravalent carbon, common functional groups, isomerism (enantiomers, diastereomers, constitutional isomers, stereoisomers, etc), arrow 'pushing', reaction nomenclature and conventions, IUPAC naming, organic reactions and mechanism.
Course Policies	Daily attendance will not be taken but is strongly encouraged. A missed exam or quiz will be scored as zero, no exceptions. No makeup quizzes or exams are given. All graded work should be performed individually. Cheating or plagiarism on a graded assignment will result in a zero for that evaluation and possible referral the Dean and failure of the course. Students are expected to follow the University policy of ACADEMIC HONESTY and all other University policies.
Grading	Grades will be based on 9 in-class quizzes (100 pts total), 3 in-class exams (100 pts each; 300 pts total) and a final exam (200 pts). The lowest exam score will be automatically dropped; this can include the final exam so long as the student scores >50% on the final. Course grades will be determined by this grade scale: >86% A, >75% B, >65% C, >55% D. Students may request a re-grade on any assignment for up to 48 hours from when the graded assignments are made available in class; the whole exam/quiz is subject to regrading.
Quizzes	A quiz will be administered for each chapter (9 chapters, 9 quizzes) within 1 week of finishing the chapter content in class. Quiz dates will be announced in class at least 1 class period in advance. Quizzes will be given the first 10 minutes of the class period.
In-class Exams	Exam 1 10/6/17 Exam 2 11/8/17 Exam 3 12/8/17 Final: Wed, Dec 20 8am-11am
Calendar	Last day to drop classes w/o transcript designation: 9/27 Last day to drop: 10/18 No class held: 10/9 (Columbus Day); 11/13/16 (Veterans Day); 11/24 (Thanksgiving) Last day of classes: 12/11