Instructor: Dr. Jan Cammack  
Office: Salem Campus 8-221W  
Email: jan.cammack@chemeketa.edu  
Phone: 503-399-6516 (wk)  
Web: http://faculty.chemeketa.edu/jcammack/

Times & Places:  
Face-to-Face/Web Enhanced lecture: (CRN 34484)  
MWF (Some Fridays may be replaced with testing time TBA)  
8:00-9:20 am; Room 8-232

Course Description:  
This lecture course, the first of a three term sequence, is the study of the nature, properties, and reactions of organic molecules for students majoring in Chemistry, Biology, or related sciences. It will include naming, structure, synthesis, and analysis of organic molecules, the mechanisms of their reactions and some discussion of their biological or industrial importance. About 9 chapters of the McMurry text will be covered including Acids and Bases, nomenclature and reactions of Alkanes, Alkenes and Alkynes, and Stereochemistry.  
Specific learning outcomes for each chapter can be found at Chapter by Chapter Plan.

Chemeketa Community College is on a term system. Students transferring to programs requiring 1 year or 2 semesters will need all 3 terms. Students transferring to programs requiring only 1 semester are advised to take 2 terms. Check with your transfer institution or program to be sure.

Students requiring Organic Chemistry Laboratory should take CH241B along with CH241.

Prerequisite Course(s):  
One year of College Chemistry or General Chemistry equivalent to CH121-3 or CH221-3.

Required Text(s), Computer Technology, and supplies:  
2. Organic OWL: Web-based homework system and assessment tool to accompany McMurry 8th Ed.  
3. Computer access to online quizzes and OWL homework/tutorials. Chemeketa uses Blackboard 9.1. This is supported by Netscape, Safari and Mozilla Firefox browsers. Contact the Online Technical Help (accessible through Chemeketa Online Orientation site or through the links at the bottom of the course home page) if you have any difficulties during the term.

Available but not Required:  
5. Molecular Models
Expectations and Requirements:
For each chapter of the text covered there will be a [Chapter by Chapter Plan] which includes
- Instruction
- Homework:
  - Online OWL homework/tutorial assignments
  - Written problems
- Quizzes: An online chapter quiz
- Exams: Proctored Written Exams will be given over several chapters at a time.

The ACS (American Chemical Society) standardized exam will be given at the end of the 3 term sequence.

Instruction:
- Class attendance/participation is expected.
  Just as you would think it foolish to dress up for an evening out, order an expensive dinner, pay for it, and then walk out without eating, it is foolish to enroll in college, pay tuition, and then not participate in class.
- It is your responsibility to be teachable. The learning part is up to you.
  - You alone are responsible to
    - take course notes
    - be diligent with your homework,
    - ask for help when you need it, and
    - take responsibility for your own learning.
  Just as a driver can’t steer a parked car, even the best teacher can’t force you to learn.
- There is no need to formally penalize for poor attendance/participation, as the consequences will be apparent on homework, quizzes, and exams.

- PowerPoint presentations of topics will be used as a lecture outline to guide you through the text material.
  - Annotated PowerPoint slides are accessible from the chapter links found on the [Chapter by Chapter Plan] link from our course home web page.
  - The PowerPoint slides can be printed as handouts from a computer containing the Microsoft office programs.
    - If you choose to print them out it is advisable to print handouts with multiple slides rather than every slide on a separate page to avoid a great waste of paper.
    - (to print handouts choose the “Handout” link at from the PowerPoint print page and select 6 or 9 slides per page)

Homework:
The best way to learn chemistry is to work practice problems over and over until you master each topic. The homework problems are practice for the quizzes. The quizzes are practice for the exams. Therefore:

- Homework problems will be required for each chapter of the text.
  - Online Problems: This particular course will be taking advantage of the [OWL] (Online Web Learning) homework/tutorial program. OWL has its own software requirements such as Shockwave and Java.
    - You must register for the OWL tutorial program at [https://owl.cengage.com/] by following the appropriate links and entering the access code that was either purchased with your text or purchased separately.
    - After initial registration you can access the OWL program by clicking on the [Organic OWL Login link] on our course home web page or better yet book mark it from your own computer.
    - Once you’ve logged into the OWL program the initial [Intro to OWL] tutorial will guide you to setting up the correct programs on your computer.
    - Specific OWL problems that correlate with the end of chapter problems from our McMurry text book will be assigned.
      - The OWL program is good about leading you to the correct answer and giving tutorial help when needed.
      - Answers to the in-chapter problems for study are in the back of your textbook.
- Answers to some of the end-of-chapter problems from the text are available in the optional Study guide and Solutions Manual that is available for purchase in the bookstore or viewing in the science department conference room. Although students do find the Study guide and Solutions Manual helpful it is not required to purchase it as there is plenty of help available via the Owl homework and tutorials.

- **Written problems** requiring you to handwrite or draw answers will be assigned.
  - Written problem sheets can be accessed from the Chapter by Chapter Plans link. These written assignments are to be
    - Scanned and emailed to the instructor at jan.cammack@chemeketa.edu or
    - Submitted personally to the instructor’s campus mail box or in class.

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**Quizzes:**

- **Periodic warm-up quizzes** may be given at the beginning of class time. Students arriving late will not be allowed to take the warm-up quiz.

- **Weekly online quizzes** will be given over lecture material and homework problems.
  - Quizzes are found under the “Online Quizzes” link on the blackboard 9.1 home page.
  - Quizzes are to be taken after the homework for that chapter is completed.
  - Quizzes questions are randomly generated from a question bank.
  - Quizzes may be taken open book but not with the help of any living person.
    (other than the instructor or God of course)
  - You will have 1 hour to complete each quiz.
  - 1 hour should be plenty of time to complete the 10 to 20 questions.
  - Chapter quizzes may be taken 2 times each and the highest score of the 2 trials taken will be counted toward the final grade.
  - A multi-chapter review quiz will be given at the end of the term to help prepare you for the comprehensive final exam.
  - The lowest quiz score for the term will be dropped in the final grading.
  - At the instructor’s discretion written in-class quizzes may be substituted for online quizzes.

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**Exams:**

- **There will be three proctored exams for the course.**
  - **Exams 1 and 2** during scheduled class time or at an approved testing center
    - All Chemeketa campuses have approved testing capabilities.
      - The Salem campus testing center is on the 1st floor of Building 2.
      - Appointments for the testing center need to be made at least 3 days in advance by phone at 503-399-6556 or by email at testing@chemeketa.edu.
      - The Salem campus testing center is open for exams
        - Mondays 11 am – 4 pm;
        - Wednesdays 9 am – 7 pm;
        - Thursdays 10:30 am – 7:30 pm;
        - Fridays 9 am – 4 pm; and
        - Saturdays 9 am – 2 pm   (except on 2nd Sat of Month and holidays or holiday weekends)
    - When making an appointment, please have the following information ready to tell the receptionist:
      1. Your name _______
      2. Your instructor’s name Cammack__
      3. This is for course number is CH241
      4. The test number is _______ (ie. midterm Exam 1)
      5. Your phone number _______
  - Be sure and bring Photo ID to the Testing center Exam

- **Exam 3(Final Exam) will be given during final exam week**
  - Face-to-face by the instructor on the Salem campus
    - See the posted Chemeketa Finals Schedule
  - Exam 3 will cover previously untested material and will also be a comprehensive final. (The American Chemical Society standardized comprehensive final exam will be given following the three-term sequence.)
Grading:

- Your course grade will be based on the total percentage earned from the combination of homework, quizzes, and exams.
  - The percentage weight for each category is derived from the approximate proportion of points possible from that category. Points are tentative. Grade is based on % category weight regardless of assignment point values.
    - The percentage weight used for quizzes takes into account that the lowest score is to be dropped.

- Current grades can be viewed via the “WebGrade Student Summary” link visible from the course home page.
  - WebGrade:
    - is an outside grade report program used by the instructor.
    - is not directly connected to blackboard 9.1 or the Chemeketa system.
    - Allows the instructor to upload students’ grades to an external website For log in to individual grade summaries each student will need:
      - A Student ID which will be your Chemeketa K-number (K00……) and
      - a Password which will be a randomly generated number issued by the instructor.

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage Weight</th>
<th>Grade Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>OWL Homework</td>
<td>15 %</td>
<td>A ≥ 88 %</td>
</tr>
<tr>
<td>Written Problems</td>
<td>15 %</td>
<td>B ≥ 78 %</td>
</tr>
<tr>
<td>Online Quizzes</td>
<td>10 %</td>
<td>C ≥ 65 %</td>
</tr>
<tr>
<td>Exams</td>
<td>60 %</td>
<td>D ≥ 55 %</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100 %</strong></td>
<td></td>
</tr>
</tbody>
</table>

I = Incomplete. An “I” grade may be given in a situation where a student is passing (with a “C” grade or better) but for an approved reason (illness, family emergency, etc) the student is not able to complete a portion of the requirements before the end of the term. In such cases an individual plan and timeline is to be made with the instructor to complete the missing requirements to finish the course. An “I” grade may not be assigned as a substitute for a poor or failing grade.

Extra Credit Policy:

- The answer is most often “no” and here are the reasons why:
  - Your grade needs to be a reflection of the mastery of the subject.
    - When a future employer looks at your college transcripts it should reflect how well you mastered the subject and not how many extra tasks you performed or hoops you jumped through.
  - With occasional exceptions most students are fairly consistent in the quality of work they hand in. It is my opinion that a student who is consistently doing “C” quality work should not be given a “B” for simply doing more “C” work.
  - You will learn more (and so answer more exam questions correctly and therefore get a better grade) by spending a few extra hours studying than you would if you had spent those extra hours doing an extra credit project.
  - There may occasionally be a few extra points on an exam.
    - If there are 102 points possible on an exam I still usually round the total to 100 so theoretically you could earn a score of 102% when that happens.
**Ground rules for Course Conduct:**

**Integrity:**

The presentation of another individual’s work as one’s own or the act of seeking unfair academic advantage through cheating, plagiarism or other dishonest means are violations of the college’s “Student Rights and Responsibilities.”

It is expected that students in this course will act with honesty and integrity.

- Violations of trust will result in automatic grade penalties.
- Continued violations will result in action steps leading to
  - dismissal from the course or
  - dismissal from the college
  as indicated in the Chemeketa handbook of rights and responsibilities. See [http://www.chemeketa.edu/catalog/academichonesty/index.html](http://www.chemeketa.edu/catalog/academichonesty/index.html) for the following and further details.

Violations of academic honesty include but are not limited to the following:

- **Plagiarism**  
  Presenting someone else's words, ideas, artistry, product or data as one's own

- **Collusion/Inappropriate Assistance**  
  Helping another commit an act of academic dishonesty such as knowingly or negligently allowing work to be used by others.

- **Cheating**  
  An act of deceit, fraud, distortion of truth or improper use of another person's effort to obtain an educational advantage

- **Fabrication/Falsification/Alteration**  
  Intentional misrepresentation, invention, exaggeration or alteration of information or data, whether written, verbalized or demonstrated

- **Unauthorized Multiple Submission**  
  Using any work previously submitted for credit without prior permission of instructor

- **Sabotage and Tampering**  
  Intentional altering or interfering with documents or other student's work so depriving others of academic resources

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**Communication Guidelines:**

**“Discussion” link tool** (accessible on the list to the left of your blackboard 9.1 course web page.) is used:

- For general questions about course procedures or
- For questions about the topics being studied
  - Information posted in the “Discussion” section is readable by all students in the course and can be answered by anyone in the course.
  - Posting here would be like verbalizing a question or comment in class where all can hear and to which all could respond.
  - Include a meaningful “subject line” so we can anticipate the topic.
  - Answer questions for each other.
    - You learn it when you teach it.
    - When you formulate an explanation or teach someone else you are more likely to remember and own the information yourself.

- The instructor will watch and jump in if a question is being answered incorrectly but you will benefit much more by attempting to explain something yourself.

**“Mail” link tool** (also accessible on the list to the left of your e-learn web page.) is used:

- If you have private concerns or questions you do not want the rest of the class to “hear”.
  - You can email directly to the instructor using the “mail” tool or send to my Chemeketa e-mail addresses: jan.cammack@chemeketa.edu. I will try to respond within 48 hours.
  - Information sent by “Mail” can only be viewed by the person(s) to whom the mail was addressed.
Net Etiquette (Netiquette):

Much of our interpersonal communication is nonverbal (body language, tone of voice etc) so communication in written form (as on the web or by email) needs to follow certain guidelines to avoid misunderstandings and conflict.

The rules of personal conduct that apply to all online communications all boil down to

- “love your neighbor as you love yourself” or “do to others as you would have them do to you”
- Be polite and respectful.
  - Never belittle an honest question or indicate that a question is “too simple”. No question is “too dumb”. If you already knew Organic chemistry you wouldn’t be in this course.
  - Never lash out in anger or frustration. It may be easier to type out an angry message than to speak your concerns face-to-face but I guarantee that violent words do not result in peaceful resolution and you will regret it later.
  - Don’t include any obscenities in your messages.
- Be forbearing with others:
  - Your Chemeketa online classroom may well be bringing you together with people from all over the world. Keep in mind that you probably have something to gain from exposure to views and backgrounds different than your own.
  - When reacting to someone else’s message, address the ideas, not the person.
  - While you are not expected to agree with all views remember that there are real people with real feelings on the other end.
- Be careful when using sarcasm and humor.
  - Without face-to-face communications, people may take your humor personally, and you never know who may be offended by your expressions.
- Keep CCC’s online environment safe.
  - Be sensitive to the personal boundaries of others. Respect the need for privacy in discussions with your classmates.

- The instructor reserves the right to delete any posting she deems inappropriate.

Institutional Policies

Diversity

We are enriched by the diversity of our students, staff, and community. We welcome diverse perspectives and encourage the free exchange of ideas. Chemeketa Community College provides an environment that celebrates the freedom to learn and the freedom to teach. In that celebration of teaching and learning it is appropriate that individuals and groups be viewed with regard to their potential to contribute within the learning environment. Each has dignity and value.

Accommodations

Students who need accommodations for a disability should contact this instructor or Disability Services in Building 2, Room 174 or call 503-399-5192 (V/TTY).

Advising and Counseling

Recent research indicates that community college students who seek out academic advising are more likely to meet their educational goals. Meeting with an advisor can help:

- clarify your academic and life goals,
- choose classes that prepare you for a career, and
- ensure whether your credits will transfer to another institution.

Advising is available by making an appointment at Counseling and Career Services in Building 2 (503-399-5120 or advising@chemeketa.edu). In addition, you may want to explore ePathways, an electronic educational planning system at http://my.chemeketa.edu. Instructors are also available to discuss class, degree, and career options. Start planning now.
# CH241 Organic Chemistry 1

## Proposed Lecture Schedule Overview

More specific details & resources can be found at the [Chapter by Chapter Plan](#).

**Instructor:** Dr. Jan Cammack  
**Text:** McMurry 8th Edition

<table>
<thead>
<tr>
<th>Week/Date</th>
<th>Chapter: Lecture Topic:</th>
<th>Assignment Check List (Due Monday of following week unless noted otherwise)</th>
</tr>
</thead>
</table>
| 1 Sept 29-Oct 3   | 1 Structure and Bonding                         | _OWL: Introduction_  
|                   |                                                 | _OWL: Chpt 1_  
|                   |                                                 | _Written Problems Chpt 1_  
|                   |                                                 | _Online Quiz 1_ |
| 2 Oct 6-10        | 2 Polar Covalent Bonds: Acids & Bases           | _OWL: Chpt 2_  
|                   |                                                 | _Written Problems Chpt 2_  
|                   |                                                 | _Online Quiz 2_ |
| 3 Oct 13-17       | 3 Organic Compds: Alkanes and Their Stereochemistry | _OWL: Chpt 3_  
|                   |                                                 | _Written Problems Chpt 3_  
|                   |                                                 | _Online Quiz 3_ |
| 4 Oct 20-24       | 4 Organic Compds: Cycloalkanes & Their Stereochemistry | _OWL: Chpt 4_ Due before Exam 1  
|                   |                                                 | _Written Problems Chpt 4 Due before Exam 1_  
|                   |                                                 | _Online Quiz 4 Due before Exam 1_ |
| 5 Oct 27-31       | 5 Stereochemistry at Tetrahedral Centers       | _OWL: Chpt 5_  
|                   |                                                 | _Written Problems Chpt 5_  
|                   |                                                 | _Online Quiz 5_ |
| 6 Nov 3-7         | 6 An Overview of Organic Reactions              | _OWL: Chpt 6_  
|                   |                                                 | _Written Problems Chpt 6_  
|                   |                                                 | _Online Quiz 6_ |
| 7 Nov 10-14       | 7 Alkenes: Structure and Reactivity             | _OWL: Chpt 7_  
|                   |                                                 | _Written Problems Chpt 7 Due before Exam 2_  
|                   |                                                 | _Online Quiz 7 Due before Exam 2_ |
| 8 Nov 17-21       | 8 Alkenes: Reactions and Synthesis              | _OWL: Chpt 8_  
|                   |                                                 | _Written Problems Chpt 8_  
|                   |                                                 | _Online Quiz 8_ |
| 9 Nov 24-28       | 9 Alkynes: An Intro to Organic Synthesis        | Due before final exam:  
|                   |                                                 | _OWL: Chpt 9_  
|                   |                                                 | _Written Problems Chpt 9_  
|                   |                                                 | _Online Quiz 9_ |
| 10 Dec 1-5        | 9 Alkynes: Intro to Synthesis Cont.             | Due Before Final Exam:  
|                   |                                                 | _Online Review Quiz 1-9_ |
| 11 Dec 8-12       |Exam 3: Final Exam; Chpts 8,9 + Comprehensive     |Final Exam times:  
|                   |                                                 | Mon 12/8: 8-10 am (8-232) |