Course Syllabus: CHEM 3053-003—Organic Chemistry I—Fall 2009

Classroom: PHYSICAL SCIENCES CENTER Rm. 0416
Instructor: Vadim A. Soloshonok, Ph.D. (Dr. Solo)
Office: PHSC 315
Office hrs: By appointment
Note: No office hours on exam days!

Class Times: 1:30 - 2:20 PM (MWF)
Email: vadim@ou.edu
Phone: 325-8279

Course prerequisite:
You should have already successfully (A or B) completed CHEM 1315 & 1415 (Gen. Chem I & II) or their equivalent before enrolling in this class.

Course Objectives:
By the end of the semester, you will be able to:
1. learn how to learn organic chemistry
2. learn how to think like an organic chemist
3. understand and appreciate the importance of organic chemistry in the areas of chemistry, biochemistry, bio-organic chemistry, organo-metallic chemistry, chemical engineering, the biological sciences, and daily life
4. learn how to approach organic chemistry, and science in general, from a critical, thoughtful point of view
5. apply fundamental principles of structure and reactivity to solve organic chemistry problems

Required materials
1. Organic Chemistry, (ISBN 0-13-196316-3) Paula Yurkanis Bruce—available at local bookstores or online. While I certainly suggest using any of the resources available on the CD-ROM that accompanies the text, I don’t require you to use it.
2. Model kit—sold in the bookstore.

Recommended materials
1. Organic Chemistry as a Second Language (ISBN 0-471-27235-3) by D.R. Klein. This is an excellent supplemental text that can help you to develop the fundamental skills you will need to be successful in O-Chem. It is available at the bookstore and from Amazon.com for ~$25-30. I recommend this text highly.
2. A 3-ring binder to hold your handouts and notes.
3. A pack of 3 x 5 index cards (you will probably need more than one pack).
4. A good, quiet distraction-free place to study regularly.

COURSE POLICIES:
The University of Oklahoma is committed to providing reasonable accommodation for all students with disabilities. Students with disabilities who require accommodations in this course are requested to speak with me as early in the semester as possible. Students with disabilities must be registered with the Office of Disability Services prior to receiving accommodations in this course. The Office of Disability Services is located in Goddard Health Center, Suite 166, phone (405) 325-3852 or TDD only (405) 325-4173.

Each student should acquaint him/herself with the University's codes, policies, and procedures involving academic misconduct, grievances, sexual and ethnic harassment, and discrimination based on disability. Copies of the OU Student Code can be obtained in print or online from the Office of Student Affairs (http://www.ou.edu/studentcode/OUStudentCode.pdf).

Students engaging in academic misconduct (including cheating, plagiarism, or any other action that can improperly affect evaluation) will be subject to sanctions in accordance with the Norman Campus Academic Misconduct Code. I will recommend a grade of "F" for the course and expulsion from the University for any such violations.

I reserve the right to change any items contained in this syllabus. This includes, but is not limited to: course content, scheduled dates, grade cutoffs, and fraction(s) of final grade assigned to individual components of the course. This syllabus in no way constitutes a legally-binding contract on my part.
Grading:
Your grade will be determined by your performance on the three exams. The grading breakdown is:

<table>
<thead>
<tr>
<th>Point Value</th>
<th>Total Points</th>
<th>% of final grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Exam Score</td>
<td>20 questions 5 point each (Ch 1,2)</td>
<td>100</td>
</tr>
<tr>
<td>2nd Exam Score</td>
<td>20 questions 5 point each (Ch 3,4)</td>
<td>100</td>
</tr>
<tr>
<td>3rd Exam Score</td>
<td>20 questions 5 point each (Ch 5,6)</td>
<td>100</td>
</tr>
<tr>
<td>4th Exam Score</td>
<td>20 questions 5 point each (Ch 7,8)</td>
<td>100</td>
</tr>
<tr>
<td>5th Exam Score</td>
<td>20 questions 5 point each (Ch 9,10)</td>
<td>100</td>
</tr>
<tr>
<td>6th Exam Score (Final)</td>
<td>40 questions 5 point each</td>
<td>200</td>
</tr>
</tbody>
</table>

Total possible points: 700

The approximate cutoffs for grades (on exams AND for the final course grade) will be:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Points</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>560-700</td>
<td>80.0—100.0 %</td>
</tr>
<tr>
<td>B</td>
<td>490-555</td>
<td>70.0—79.3 %</td>
</tr>
<tr>
<td>C</td>
<td>420-485</td>
<td>60.0—69.3 %</td>
</tr>
<tr>
<td>D</td>
<td>350-415</td>
<td>50.0—59.3 %</td>
</tr>
<tr>
<td>F</td>
<td>&lt; 345</td>
<td>&lt; 50.0 %</td>
</tr>
</tbody>
</table>

Note: GRADES WILL NOT BE “CURVED” IN THIS CLASS!!!

Regular exams:
- There will be five regular exams worth 100 points each.
- EXAMS WILL BE HELD DURING THE REGULAR CLASS TIME 1:30 - 2:20 PM IN PHYSICAL SCIENCES CENTER Rm. 0416.
- You are not allowed to bring pagers, cell phones, or model kits to the exams.
- You only need to bring a pencil(s), an eraser, and a calculator.
- EXAMS MUST BE TAKEN IN PENCIL.
- YOU ARE REQUIRED TO BRING YOUR OU ID CARD (OR OTHER PHOTO ID, e.g. DRIVER’S LICENSE) TO EACH EXAM
- More specific information about individual exams (format, topics, etc.) will be provided prior to the exam.
- If you must miss an exam for excused reasons (as outlined in the OU Student Code), you must notify me before the exam (if possible), or AS SOON AS POSSIBLE after the exam.
- You will be required to provide written documentation about the nature of the absence within two (2) business days.
- NOTE: There will be NO MAKE-UP EXAMS.
- NOTE: You can miss only ONE Exam: in this case your % score on the Final Exam will be used to substitute 0% score on the missed Exam.

Final exam:
- The final exam will be given on the day assigned by University for this class .
- The final exam will be worth 200 points, and will be weighted in the semester grade just as the other exams.
- The final exam will be comprehensive, covering all of the material discussed in class for the entire semester.
Return of graded papers:
- I will bring graded exams to the classroom.
- If you should find that an error was made in grading one of your papers, please notify me immediately.
- You have five (5) business days after the papers are returned to bring any errors or problems to my attention. Grades will not be changed after five days.
- YOU ARE STRONGLY RECOMMENDED TO KEEP ALL GRADED MATERIALS UNTIL THE END OF THE SEMESTER.
- If there should be a disagreement between what you have for a grade on an exam and what I have recorded for you, I will ask you to produce the paper in question before any changes are made.

Attendance:
- It is absolutely imperative that you DO NOT fall behind in this class.
- The pace will start out fast and will increase as we move along.
- A significant portion of the material covered on the exams will be discussed in class.
- It is very important that you attend all class meetings and take good notes.
- If you miss a class, you will be penalized by not having been exposed to this material in the lecture.
- It is YOUR responsibility to obtain notes from a friend or classmate if you should miss a class.
- You are responsible for knowing the material discussed in class, whether you were present or not.
- If you should have an extraordinary problem, e.g. severe illness or other extenuating circumstance, please notify me as soon as possible so that I can help you to get caught up with the course material.
- CLASS WILL BEGIN PROMPTLY AT 1:30 PM.
  - You are required to be in class on time.
  - If you should arrive late, please enter the class as quietly as possible so that others in the class are not disturbed.
  - If you should need to leave class before the class ends, please take a seat near the back of the classroom, and leave without distracting other people around you.

Classroom conduct:
- We will have 40 people in the class.
- You are expected to conduct yourself as a responsible student.
- I expect you to follow basic rules of common courtesy while in my class, i.e. “Do unto others as you would have them do unto you”.
- Engaging in conversations or other distracting activities, e.g. reading the newspaper, while the lecture is going on will not be permitted.
- If I see you doing these things, I will throw you out of the class.
- Your primary focus while you are in class should be on taking notes and thinking about the material being discussed. You will not have any time to chat or to read the newspaper. Do these things outside of class.
- If you bring a newspaper or drink to class, please make sure that you put it in the trash as you leave. Do not leave trash strewn about the room as you leave.

Cell phones & pagers:
- As a courtesy to me and to your fellow students, you are requested to turn off your cell phones and/or pagers while in class.
- If you forget and your cell phone goes off during class, turn it off immediately so that the other people in class will not be distracted.
Email & www:

- You are provided an email account by the university.
- This is of the type "Jane.B.Doe-1@ou.edu".
- THIS ACCOUNT WILL BE USED DURING THIS COURSE.
- You can check with information technology if you don’t know how to have your email forwarded to another account (askit@ou.edu).
- I will send out announcements and other important materials for the course by email.
- It is your responsibility to check your email at least once a day.
- Online resources: http://learn.ou.edu
- You can access online course home at http://learn.ou.edu
- You can log into online course home by using your 4+4 login and your password.
- I will also post announcements, lecture notes and various handouts for the course online.

- Please don’t hesitate to ask me if you have ANY questions about anything relating to the course.

- Please don’t hesitate to come by if you do not understand what is happening in the class—get help before you fall behind!

- You ABSOLUTELY must stay on top of this class ALL SEMESTER LONG. You might see things that you have seen before and think you don’t need to pay attention. This is where many students get themselves into trouble—before they realize it, they are in a very deep hole from which it is very hard to escape.
IF YOU HAVE ANY QUESTIONS ABOUT THE CLASS POLICIES AS OUTLINED IN THE SYLLABUS, PLEASE FEEL FREE TO COME BY MY OFFICE AND DISCUSS THEM WITH ME.
PLEASE READ AND FILL OUT THE FOLLOWING FORM.

PLEASE PRINT LEGIBLY

Last Name: _____________________________________
First Name: _____________________________________
ID #: _______________________________________

• I ________________________________________ (print your first & last names) acknowledge the following:
  • I have received a written copy of the course syllabus for CHEM 3053-003 for the Fall 2009 semester.
  • I have read and understand the policies outlined in the course syllabus.
  • I agree to abide by and follow the policies outlined in the course syllabus.
  • I have been advised that, if I do not agree to abide by the policies outlined in the course syllabus, I should withdraw from the course.

_____________________________________________    _________________________
(signature)               (date)

FILL OUT THIS FORM, SIGN IT, AND TURN IT IN BY THE END OF August.