

Topics in Synthetic Organic Chemistry
Fall 2014

Instructor: Dr. Aaron Aponick, 328 Sisler Hall, aponick@chem.ufl.edu
Class Meeting Time: Tuesday 9:35-11:10 in Sisler 328
Office Hours: Tuesday 2nd period and by appointment
Required Texts: Design and Strategy in Organic Synthesis, by Hanessian et al. (978-3-527-31964)
Grading: Grades: assignments (70%), participation (15%), and attendance (15%)

Attendance: Attendance at all class meetings is mandatory. You must notify me ahead of time if you will miss a class and an additional assignment may be made to excuse the absence.

Classroom Etiquette: I expect you to ***be on time*** and not cause any disturbances during the lectures. ***Cell phone use and texting is strictly prohibited at all times.*** Please silence your cell phone. No cell phones, text messaging, headphones, computers (except for presentations), or other electronic devices are to be used during **any** class meeting without special permission.

Homework: The majority of your grade will be assigned based upon in class presentations. It is expected that you complete these outside of class and be able to present and discuss the material during our meetings.

Project: You will present a topic assigned from the book to present in class.

Student Honor Code

The UF Student Honor Code (see the UF Student Guide [<http://www.dso.ufl.edu/studentguide/>] for details): *We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.*

On all submitted work for credit by students at the University of Florida, the following pledge is either required or implied: *"On my honor, I have neither given nor received unauthorized aid in doing this assignment."*

Please note that violations of the Honor Code are taken seriously. Honor Code violations include copying on an exam (or helping another student to copy) and/or turning in an exam for re-grading that has been changed by a student since it was graded by the instructor.

Any student found responsible for an academic dishonesty violation in this course will automatically forfeit his/her right to the exam drop policy and will be recommended sanctions consistent with the offense.

Other Important Information:

- Division of Student Affairs (Counseling, Dean of Students Office): <http://www.ufsa.ufl.edu/>.
- Lose or find something during class? Visit the chemistry lost and found (LEI 218).

Classroom accommodation:

Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

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Tentative Schedule:

Tuesdays, Fall 2014
8/26- Introduction, Course Overview
9/2- Concept, Why, What & How of Synthesis
9/9- Sources Of Enantiopure Compounds
9/16- The Chiron Approach
9/23- Nature's Chirons
9/30- Alkaloid Biosynthesis/Biomimetic Synthesis
10/7- Alkaloid Synthesis
10/14- Polyketide Biosynthesis/ Biomimetic Synthesis
10/21- Polyketide Synthesis
10/28- Terpene Biosynthesis/ Biomimetic Synthesis
11/04- Terpene Synthesis
11/11- No Class
11/18- Carbohydrate Biosynthesis/ Biomimetic Synthesis
11/25- No Class
12/2- Carbohydrate Synthesis
12/9- Peptide Biosynthesis/Synthesis