

Chem 234 – Organic Chemistry II

Dr. John H Penn

Google “John Penn WVU”

JPenn2@mix.wvu.edu

Instructor Contact Information

- Office
 - 561 CRL (next to 559, NOT next to 560)
 - Take the elevator, do NOT take the stairs
 - Appointments through the website
- Website
 - <http://www.as.wvu.edu/~jpenn>
 - Google “John Penn WVU” and take the very first hit

john penn wvu - Goo x Dr. John H. Penn x

www.as.wvu.edu/~jpenn/

Apps Dell Mini-Displ... WVU eCampus ... Novell WebAcc... West Virginia U... Sign in - Googl... John Penn Teac...

John H. Penn Website [Home](#) [Teaching](#) [WE_LEARN](#) [Research](#) [Service](#)

John H. Penn, Ph.D.

Teaching Web Page

[Curriculum Vitae](#)

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The best way to see me is to arrange an appointment. Click [on this link to arrange an appointment](#), email me at John.Penn@mail.wvu.edu, or see me in my office after class. My calendar is shown below.

My office is 561 CRL (i.e., the Chem Annex). Take the elevator to the 5th floor and find room 561.

John Penn

Today Jan 11 - 17, 2015 [Print](#) [Week](#) [Month](#) [Agenda](#)

Time	Sun 1/11	Mon 1/12	Tue 1/13	Wed 1/14	Thu 1/15	Fri 1/16	Sat 1/17
1:30p - 3p		1:30p - 3p Available Time				1:30p - 11:30p Religious Observances	
2p - 4:30p		2p - 4:30p Chem 233 Lab					
3p - 4p		3p - 4p Available Time	3p - 4p Lecture Preparation		3p - 4p Lecture Preparation		
4p - 5:30p		4p - 5:30p Organic Chemistry Seminar	4p - 5:30p Chem 233 Organic Chemistry		4p - 5:30p Chem 233 Organic Chemistry		
5:30p - 7:30p		5:30p - 7:30p Chem 790 Teaching Practicum					

Make an appointment

Find Penn's Office

[View on Google Maps](#)

West Virginia University
Chemistry Research Laboratory

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www.as.wvu.edu/~jpenn/teaching.html

Teaching

Fall 2016

Chem 234	Syllabus Class Syllabus	Assigned Homework WE_LEARN System	Check your "Draw Structure" answer. WE_LEARN Drawing Tool Seeing What You Drew on Exams
	Exam 1 TBD @ Soc/Anthro Testing Center	Exam 2 TBD @ Soc/Anthro Testing Center	Exam 3 TBD @ Soc/Anthro Testing Center
Exam 4 TBD @ Soc/Anthro Testing Center Final Exam Retake TBD			
Lecture Notes (Subject to Change)			
Lectures Wednesday, August 17 Friday, August 19 Monday, August 22 Wednesday, August 24 Friday, August 26 Monday, August 29 Wednesday, August 31 Friday, September 2 Monday, September 5 - No Class (Labor Day) Wednesday, September 7 Friday, September 9	Lectures Friday, September 16 Monday, September 19 Wednesday, September 21 Friday, September 23 Monday, September 26 Wednesday, September 28 Friday, September 30 Monday, October 3 Wednesday, October 5 Friday, October 7 Monday, October 10	Lectures Friday, October 14 Monday, October 17 Wednesday, October 19 Friday, October 21 Monday, October 24 Wednesday, October 26 Friday, October 28 Monday, October 31 Wednesday, November 2 Friday, November 4	Lectures Monday, November 7 Wednesday, November 9 Friday, November 11 Monday, November 14 Wednesday, November 16 Friday, November 18 Monday, November 28 Wednesday, November 30 Friday, December 2 Monday, December 5

Scroll down for more information, as can be seen on the next slide.

Helpful YouTube Videos, Primarily of Worked Examples

YouTube Videos	YouTube Videos	YouTube Videos	YouTube Videos
B4-11-01 IR Functional Groups (Practice)	Ex2-01-B7-19-08A Aryl Side Chain Rxns (Practice)	Ex3-01-B7-17-01A Ketone Aldehyde Naming (Practice)	Ex4-01-B7-18-06
B7-13-01A Nomenclature Alkyl Halides (practice)	Ex2-01-B7-19-08B Aryl Side Chain Rxns (Practice)	Ex3-01-B7-17-01B Aldehyde Ketone Naming (Practice)	Ex4-01-B7-18-06
B7-13-01B Alkyl Halide Nomenclature (Practice)	Ex2-02-B7-19-09A Arylamines (Practice)	Ex3-02-B7-17-02A Ald Ket Rxns O-Nucl (Practice)	Ex4-02-B7-18-08
B7-13-02A Halogenation of Alkanes (Practice)	Ex2-02-B7-19-09B Arylamines (Practice)	Ex3-02-B7-17-02B Ald Ket O-Nucleophiles (Pract)	Ex4-02-B7-18-08
B7-13-02B Halogenation of Alkanes (Practice)	Ex2-03-B7-12-01A Grignard Rxns (Practice)	Ex3-02-B7-17-02C Ald Ket Rxns O-Nucl (Practice)	Ex4-03-B7-18-09
B7-13-03A Oxidation and Anti-oxidants (Practice)	Ex2-03-B7-12-01B Grignard Rxns (Practice)	Ex3-03-B7-17-03A Ald Ket with N-Nucl (practice)	Ex4-04-B7-19-01
B7-14-02 Mass Spec - Molecular Ion (practice)	Ex2-04-B7-12-02A Hydride Reductions (Practice)	Ex3-03-B7-17-03B Ald Ket with N-Nucl (practice)	Ex4-05-B7-19-02
B7-14-03 Mass Spec - Isotope Effects (Practice)	Ex2-04-B7-12-02B Hydride Reductions (Practice)	Ex3-03-B7-17-03C Ald Ket with N-Nucl (Practice)	Ex4-06-B7-19-02
B7-15-01 Number of Peaks 1H NMR Spectra (practice)	Ex2-05-B7-12-01A Naming Carboxylic Acids (Practic)	Ex3-04-B7-17-04A Ald Ket with C-Nucl (Practice)	Ex4-07-B7-19-03
B7-15-02 Theoretical NMR Chemical Shift (practice)	Ex2-05-B7-12-01B Naming Carboxylic Acids (Practic)	Ex3-04-B7-17-04B Ald Ket with C-Nucl (Practice)	Ex4-08-B7-19-04
B7-15-03 Theoretical NMR Integration (practice)	Ex2-06-B7-12-02A Prep Carbox Acids (Practice)	Ex3-04-B7-17-04C Ald Ket with C-Nucl (Practice)	Ex4-09-B7-20-01
B7-15-04 Theor. NMR Spin-Spin Splitting (practice)	Ex2-06-B7-12-02B Prep Carbox Acids (Practice)	Ex3-05-B7-18-01 Tautomers (Practice)	Ex4-09-B7-20-01
B7-15-05 NMR Spectroscopy Problems (practice)	Ex2-07-B7-12-03A Carbox Acid Rxns (Practice)	Ex3-06-B7-18-02B Alpha-Bromination (Practice)	Ex4-10-B7-20-02
B7-15-06 Number of Peaks 13C NMR (practice)	Ex2-07-B7-12-03B Carbox Acid Rxns (Practice)	Ex3-06-B7-18-02C Alpha-Bromination (Practice)	Ex4-11-B7-20-03
B7-15-07 13C NMR Structure ID (practice)	Ex2-08-B7-12-04A Naming Carbox Acid Der (Practice)	Ex3-07-B7-18-03B Alkylation Alpha-C=O (Practice)	Ex4-12-B7-20-04
B7-19-01 Aromaticity (Practice)	Ex2-08-B7-12-04B Naming Carbox Acid Der (Practice)	Ex3-07-B7-18-03C Alkylation Alpha-C=O (Practice)	Ex4-13-B7-20-05
B7-19-02B Arene Nomenclature (Practice)	Ex2-09-B7-12-05A Rxns Acid Chlorides (Practice)	Ex3-08-B7-18-04B Malonic Ester Synthesis (Practice)	Ex4-90A Practice
B7-19-03A Halogenation of Arenes (Practice)	Ex2-09-B7-12-05B Rxns Acid Chlorides (Practice)	Ex3-08-B7-18-04C Malonic Ester Synthesis(Practice)	Ex4-90B Practice

Instructor Contact Information

- Phone
 - 304-293-0915 (NOTE: Text messages do not go through this number)
 - Cell phone number will be provided in class
- Email
 - jpenn2@mix.wvu.edu is fastest
 - John.Howard.Penn@gmail.com is next fastest
 - John.Penn@mail.wvu.edu is next fastest
 - jpenn@we-learn-horizon.com gets slow service

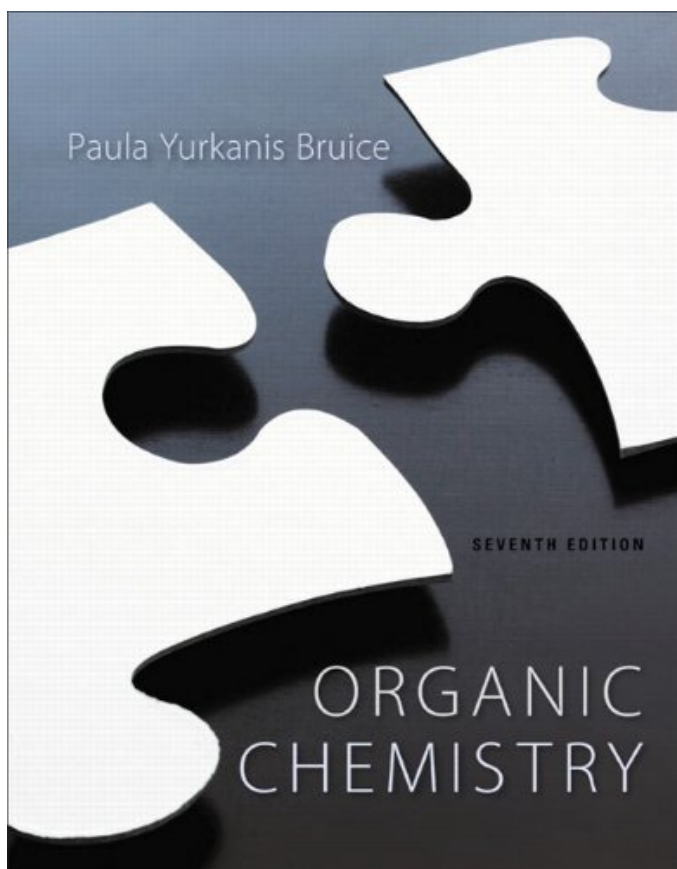
Chem 234 – Organic Chemistry II

- Lecture Course Only
 - Lab grade does not get entered into the final grade determination.
 - **Lab will NOT be meeting this week**
 - **First lab will meet on Monday, August 22**
 - Lecture composed of
 - Exams
 - Homework
 - In-Class Participation
 - Bonus Possibility

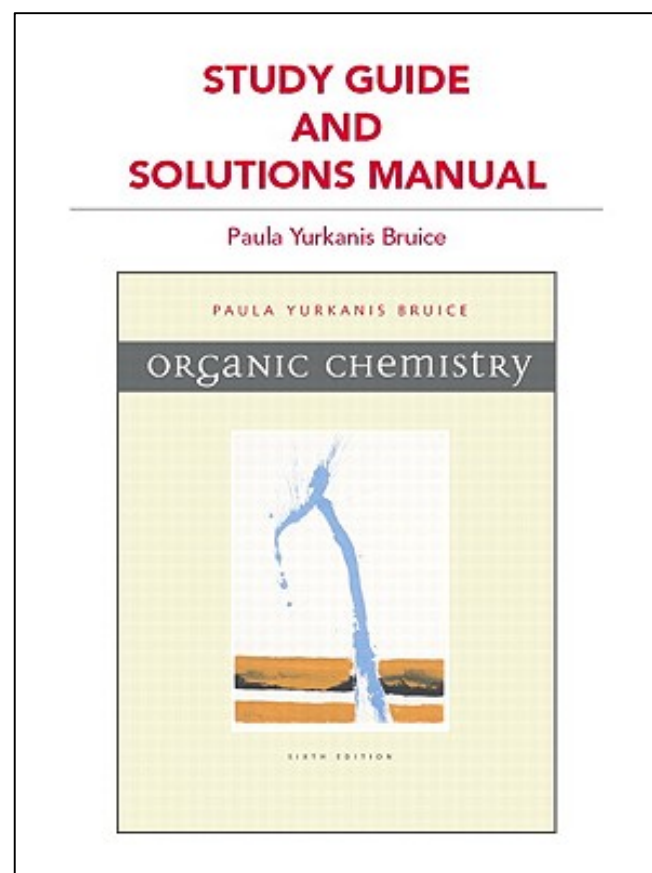
Lecture Materials

Only Recommended

- Textbook



- Study Guide



Lecture – 9:30 – 10:30 MWF

- Textbook
 - *Organic Chemistry by Paula Bruice (7th Edition)*
- Class Participation
 - Obtain an account from TopHat.com (to be discussed later in this lecture)
- Homework
 - Assigned problems from the WE_LEARN System
- Exams (see the next slide)

Letter Grade Determination

Exam 1	20%
Exam 2	20%
Exam 3	20%
Exam 4 (Cumulative Final)	30%
Homework	5%
Class Participation	5%
Read Ahead Bonus	5%
Total	105%

Bonus Credit is also available @ 0.2% for being the first to report a mistake.

Final Letter Grade

>90%	A
80 – 90%	B
70 – 80%	C
55 – 70%	D
<55%	F

A score of >50% on the final exam is required to get a grade of D or better in this course.

Rules for Exams

- You may take the exam **ONE TIME** on any of three nights during exam week
 - Tuesday (7:00 – 9:00 pm)
 - Wednesday (7:00 – 7:00 pm)
 - Thursday (7:00 – 10:00 pm)
- Exam location – Soc/Anthro Testing Center, 1st Floor CRL (Chem Annex)
- Alternate exam testing times or testing locations may be arranged if contacted prior to close of business (*i.e.*, 4:30 pm on Monday of exam week)
 - To be arranged by mutual consent

Exam Dates

- Exam 1
 - September 20, 21, 22 (2016)
- Exam 2
 - October 18, 19, 20 (2016)
- Exam 3
 - November 8, 9, 10 (2016)
- Exam 4
 - TBD

TopHat

- Get an account from TopHat.com
 - PLEASE choose an account name such as your MIX name (*e.g.*, jpenn2)
 - Cost ~\$20 (Cost is in Canadian dollars, not USD)
- TopHat JoinCode Numbers
 - Class Participation – Join Code 117969
 - Read Ahead Bonus – Join Code 016334

Class Participation

- Typically four (4) questions/class
- Each question is usually graded on 50% participation and 50% correctness
- A final grade for each class is obtained

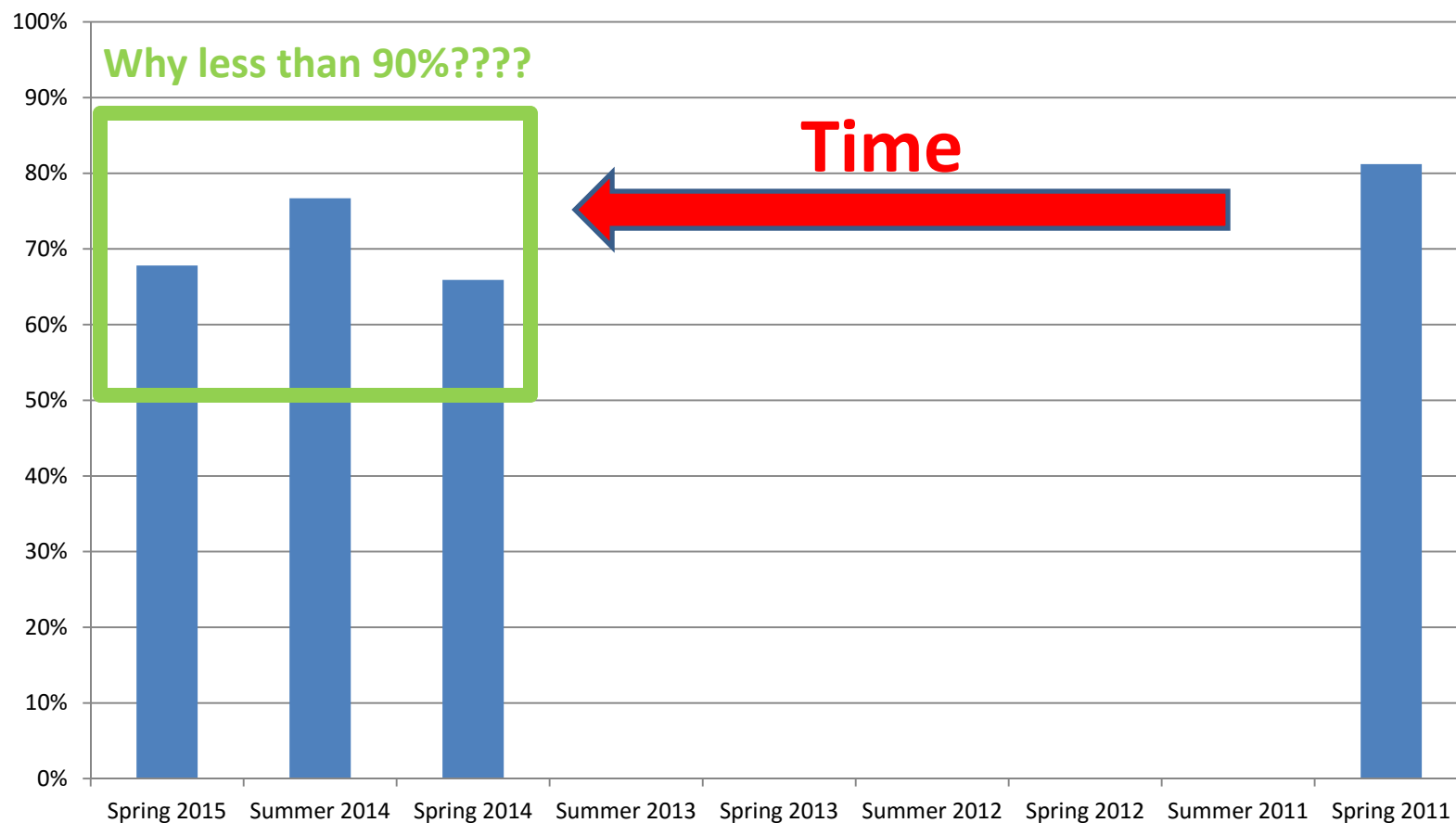
Class Participation

- First week grades will be dropped automatically
- Six (6) additional classes will be dropped
- Final class participation grade is determined

Homework

- onDemand.Questionmark.com/399959/perception
- Initial login
 - Account name = your MIX username (e.g., jpenn2)
 - Initial password = your first name in STAR (e.g., john)
- Due Dates will be assigned
 - work the assignments with deadlines
 - Each attempt brings a new assignment
 - Homework Grade is based upon the maximum score
 - **Target Grade = 100%**

Homework Grades in Past Semesters



Data from Chem 233

Read Ahead Bonus (optional)

- There is an additional cost for this material
- Typically five (5) questions/class based on anticipated in-class lecture material
- Each question is usually graded on 25% participation and 75% correctness
- No dropping of grades

Academic Dishonesty

- **Plagiarism**
 - The term “**plagiarism**” means the use, by paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgment, including, but not limited to, the unacknowledged use of materials prepared by another individual engaged in the selling of term papers or other academic materials.
- **cheating and dishonest practices in connection with examinations, papers, and/or projects**
 - (i) giving or receiving of any unauthorized assistance in taking quizzes, tests, examinations, or any other assignment for a grade;
 - (ii) depending upon the aid of sources beyond those authorized by the instructor or supervisor in quizzes, tests, examinations, writing papers, preparing reports, solving problems, or carrying out other assignments;
 - (iii) the acquisition or use, without permission, of tests or other academic material belonging to a member of the University faculty or staff; or
 - (iv) engaging in any behavior specifically prohibited by a faculty member in the course syllabus or class discussion.
- **forgery, misrepresentation, or fraud as it relates to academic or educational matters**
 - (i) wrongfully altering, or causing to be altered, any records;
 - (ii) use of University documents or instruments of identification with the intent to defraud;
 - (iii) presenting false data or information or intentionally misrepresenting records;
 - (iv) furnishing the results of research projects or experiments for the inclusion in another’s work without proper citation; or
 - (vi) furnishing false statements in any University academic proceeding.

<http://catalog.wvu.edu/undergraduate/coursecredittermsclassification/#academicintegritytext>

Academic Dishonesty

- A full range of options is available to the instructor in the event of a discovery of academic dishonesty (*i.e.*, cheating). These options are stated in the West Virginia University catalog, but include **dismissal from school** or an unforgivable "F" for a course grade. These options will be vigorously enforced.

[http://catalog.wvu.edu/undergraduate/coursecredittermsclassification/
#Procedures for Academic Dishonesty](http://catalog.wvu.edu/undergraduate/coursecredittermsclassification/#Procedures%20for%20Academic%20Dishonesty)

What have I missed?