



## Chem 3325 Organic Chemistry II

Course Information Handout for Spring 2022

### St. Edward's University Mission/Vision

At St. Edward's University, every student will explore transformational pathways to knowledge, experience, understanding and achievement. St. Edward's University is an independent Catholic university that welcomes qualified students of all ages, backgrounds and beliefs and serves a culturally diverse student body. To see the full mission/vision statement, please refer to the [Undergraduate Bulletin](#).

### Course Outline

**Lecturer:** Dr. Eamonn F. Healy  
Office: HCH 206  
SEU Box: 805 e-mail : healy@stedwards.edu  
Phone: 448-8467 http://healy.create.stedwards.edu

**Prerequisite:** CHEM 2323

#### Schedule

##### Content:

- Between 5-10 weekly lectures, each typically under 10 minutes in length, will be posted on Canvas by noon **Sunday** for coverage of the content for that week.
- Videos dealing with a summary of the week's content and solutions to select problems will be posted on Canvas on the **Friday** of each week.

##### Office Hours:

- Monday** for 60-75 mins @ 2 pm using Zoom. This will be an informational session where I will set out the weeks content and requirements, and answer any questions. The session will be recorded and available for viewing for a limited time.
- Wednesday at 2 pm for approximately 60-75 mins, using Zoom. This will be a question and answer session and include a recap of questions received regarding content and delivery, and solutions to specific questions regarding organic structure and reactivity. This will be recorded and available for viewing for a limited time.

##### Discussions:

- A new discussion session on Canvas will be started every week dealing with questions and problems posed regarding both content and delivery. Previous week's session will be closed but saved for all to view.

##### Exams:

- Examinations will be given during the scheduled class time on the dates shown below. There is no Final examination, instead a final project will be due on the dates given below..

**Text(NOT REQUIRED):**      [Organic Chemistry by John McMurry, 5<sup>th</sup> - 8<sup>th</sup> edition](#)

**Deadlines:**              Wednesday, Jan. 26<sup>th</sup> for unrecorded drop or withdrawal.  
Monday, Mar.28<sup>th</sup> for withdrawal with grade W.  
Incompletes will be awarded only in emergency circumstances.

|               |               |                                |   |     |
|---------------|---------------|--------------------------------|---|-----|
| <b>Exams:</b> | Exam #1       | Tuesday, Feb. 8 <sup>th</sup>  | in class  | 20% |
|               | Exam #2       | Thursday Mar. 10 <sup>th</sup> | in class  | 20% |
|               | Exam #3       | Tuesday, Apr. 19 <sup>th</sup> | in class  | 20% |
|               | Final Project | Deadlines:                     | Wed Apr. 13 <sup>th</sup> 12 noon<br>Wed., May 4 <sup>th</sup> 5 pm | 30% |

Homework will comprise the remaining 10% of the grade.  
Make-up exams may be given when circumstances warrant.

**Grades:**              A : 90 - 100 %   B : 80 - 89 %   C : 70 - 79 %   D : 60 - 69 %   F : 0 - 59 %  
Partial letter grades will be awarded when appropriate

**Syllabus:**

- Goal 7: Origin of reaction mechanisms
  - SLO 7.1 kinetics, stereochemistry and characteristics of substitution reactions
  - SLO 7.2 kinetics, stereochemistry and characteristics of elimination reactions
  - SLO 7.3 basicity versus nucleophilicity
- Goal 8: Fundamental principles of organic mechanisms –alcohols
  - SLO 8.1 relationship of mechanism to reaction conditions
- Goal 9: Structure determination
  - SLO 9.1 Infrared spectroscopy
  - SLO 9.2 Nuclear Magnetic Resonance
  - SLO 9.3 Mass Spectrometry
- Goal 10: Fundamental principles of organic mechanisms -reactions of carbonyls and carboxylic acid derivatives
  - SLO 10.1 nucleophilic addition
  - SLO 10.2 nucleophilic substitution
  - SLO 10.3 reactions at the alpha-carbon
- Goal 11: Retrosynthesis

**Communication and Time Requirements for Online Courses:**

- **Course Access** –All material related to this course are located in Canvas, and are also available on the [website](#) for the class. Login to your [MyHilltop account](#) and click on the Canvas icon. All recorded lectures and recordings of the live online sessions will be available ONLY on Canvas. Some electronic content may not play within Canvas and so might only be accessible through the website. Some Java, Flash and Shockwave material may not play in newer browser versions, but should be accessible using Internet Explorer. Instructions are accessible from the website
- **Course Email** - All email sent to you by me (important announcements, grade information, etc.) will be sent to the email registered in your name at St. Edward’s University, which can

be accessed via your [MyHilltop account](#).

- **Course Timelines -**
  - Homeworks can only be submitted through the online Canvas classroom, and will be awarded a completion grade.
  - Office hours are available as live sessions held via the Zoom at the times noted above. These sessions will be recorded, but these recordings only remain online for a limited time.
  - Official tuition refund dates may be found on the Student Financial Services page for [Tuition Refund Dates](#).

## **Late Work Policy**

Generally, no late assignments will be accepted to ensure that full engagement in the course occurs between you and your classmates, and to ensure that you do not fall behind in your coursework. Any late work that is accepted may be penalized significantly and progressively. However, exceptions can be made in the case of extenuating circumstances; please contact your instructor immediately. If you miss an assignment due to an extenuating circumstance, as deemed by the instructor, you must present documentation (via email) from a third party to the instructor within one week for consideration to make-up the assignment.

In order to prevent possible unforeseen technical delays that prevent you from submitting your assignments, please create any accounts with outside vendors well in advance of the due dates for assignments as the vendor might not have technical support on the weekend. If you experience any technical difficulties that prevent you from submitting an assignment, please document the issue and contact your professor immediately. It is strongly recommended that students submit assignments with ample time to take necessary corrective action to overcome any technical difficulties they may be experiencing. It is your responsibility to submit all assignments on Canvas. Assignments e-mailed to the instructor or submitted as an attachment in the comments on Canvas will not be graded and will receive a zero.

## **Professor's Response Time**

I will respond to student questions received via email, or postings in the Canvas shell within 48 hours.

## **Professor's Academic Integrity Policy**

Undergrad Statement: I expect all learners to review and adhere to the Academic Integrity Policy located in the [Undergraduate Bulletin](#).

## **A Note on Sex/Gender Harassment, Discrimination and Misconduct**

St. Edward's University is committed to fostering a safe, productive learning environment. Title IX, state laws, and SEU policy prohibit discrimination on the basis of sex and gender identity. Consequently, sexual misconduct — including harassment, relationship violence, sexual assault, and stalking — is also prohibited at SEU.

The university encourages anyone impacted by or experiencing sexual misconduct to talk to someone about what happened, so they can get the support they need and SEU can respond appropriately. If you wish to speak confidentially about an incident of sexual misconduct, please contact the Health and Counseling Center at 512-448-8538 to speak with a counselor or advocate. Please know as a faculty member, I am a mandatory reporter and required by SEU, Title IX and state law to report incidents of sexual misconduct and thus cannot guarantee confidentiality. I must provide our Title IX coordinator with relevant details including the names of those involved in the incident.

To make a formal report, you can contact the Dean of Students Office, 512-448-8408, or go online to [Sex/Gender Harassment, Discrimination and Misconduct Regarding Students](#). Anonymous reporting is an option through the website. If you would like to make a police report, you can contact our University Police Department at 512-448-8444. The university will investigate reports of sexual misconduct and may need to override a request for confidentiality and pursue an alleged perpetrator in order to provide a safe campus for everyone.

If you have questions about university policies and procedures regarding sexual misconduct, please contact our Title IX Coordinator, Dr. Lisa Kirkpatrick, Vice President for Student Affairs, 512-448-8777. You can also learn more about Title IX at St. Edward's University by visiting the website at [Preventing Sex/Gender Harassment, Discrimination and Misconduct](#).

## **Student Disability Services**

Student Disability Services coordinates reasonable accommodations for students with documented disabilities (medical, learning or psychological). Students needing accommodation based on a disability should follow the university's accommodation procedure by contacting Student Disability Services. To make an appointment or for information regarding the accommodation process: 512-448-8561, via your [MyHilltop account](#) or via the [Student Disability Services website](#).

## **Online Library**

Students can access St. Edward's Munday Library via their [MyHilltop account](#), at [library.stedwards.edu](http://library.stedwards.edu) or call 512-416-5869.

## **Content and Policies Subject to Change**

Any and all activities and assignments in this course are subject to change due to logistical reasons or to enhance the effectiveness of the educational experience. St. Edward's University and your professor reserve the right to change any and all policies.