

COURSE INFORMATION

Prerequisite: CHE 133; CHE 134 or CHE 154. Pre- or Corequisite: CHE 321 or 331. 2 credits

Course Description: This is a one-semester, that provides an organic laboratory experience. It includes techniques of isolating and handling organic substances, as well as biological materials.

Course Learning Objectives and Assessments

The objective of this course is for students to learn different techniques for isolating and analyzing pure organic compounds in relatively high yield while adhering to safety protocols and maintaining scientific record.

- Students will be able to follow standard safety protocols of chemical handling and laboratory etiquette. *This learning objective is evaluated by assessing the lab etiquette.*
- Students will learn the skill of recording observations and data. *This learning objective is evaluated by ELN observation evaluation.*
- Students will perform experiments involving standard synthetic laboratory techniques such as small-scale crystallization, large scale crystallization, melting point, solid-liquid extraction, rotary evaporation, liquid-liquid extraction, TLC, microcolumn chromatography, reflux, and distillation. *This learning objective is evaluated by assessing the quality of products (both yield and purity) submitted by the students.*
- Students will be able to analyze the purity of products, calculate retention factors, and calculate percent recovery/yield with accuracy. *This learning objective is evaluated by assessing lab reports, lecture quizzes, and theory quizzes.*

INSTRUCTORS AND STAFF

Instructor: Dr. Sajjad Hossain

Email: saj.hossain@stonybrook.edu

Office hours: TBA, Chemistry Rm 511

Teaching Assistants: TBA

Stockroom Manager: Ms. Yenhui Kuan

Email: yenhui.kuan@stonybrook.edu

COURSE STRUCTURE

Lectures: Pre-recorded videos

Meeting times for Lab Sections L11 and L12: Tu/Th: 8:30 am-12:23 pm - Meet in front of Chemistry Rm 344

Meeting times for Lab Sections L13 and L14: Tu/Th: 1:00- 4:53 pm - Meet in front of Chemistry Rm 344

Prior to each experiment, you will be required to read sections of the lab manual including experimental procedure and view prerecorded lecture videos. You will then come into the lab on the day your group is scheduled to perform the experiment. During the lab, while performing the experiment, you will be required to record your data and observation on specified electronic notebook page/s. This notebook page will open when your session starts and close ten minutes before the end of the lab. After completion of each lab, you will be required to submit a short post lab report on your ELN. Besides the lab work, there will be two in-person theory quizzes on Wed, June 5th and Wed, Jun 26th from 12:00 – 12:50 PM.

COMMUNICATION

Regular announcements/updates will be delivered via Brightspace. These updates will encompass any changes to your electronic lab manual and other crucial course-related information as well as grades. It is your responsibility to consistently check these announcements on Brightspace to stay informed. Your Stony Brook University email is the designated channel for all University-related communications. When sending emails, include your name, semester, course, and lab section in the subject line. Emails without this information on the subject may not receive a response. All instructor correspondence will be directed to your SBU email account. Access Stony Brook Google Mail at mycloud.stonybrook.edu using your NetID and password. Please anticipate a 24-48 hour response time for emails, with potentially longer delays over weekends and holidays.

REQUIRED MATERIALS

- **CHE 327 Electronic Lab Manual.** This will be purchased electronically from labflow.com, which comes as a bundle of an Electronic Laboratory Manual and Notebook (ELN). **Use your stony brook email address and stony brook student ID to sign up for the ELN.** When prompted enter your three-character lab section. Once you receive access to your ELN, you must purchase it to use the ELN.

A. Labflow Account - Creation or Log-In

1. Go to labflow.com.

Click on **CREATE ACCOUNT** and enter the following information:

2. Username - Enter your university email address.
3. Password - Something you will remember (entered twice)
4. Name - First and last (format however you want your instructor to see your name)
5. Student ID number - This may be REQUIRED for enrollment, so enter now.
6. Location - City, Country, and Timezone (make sure it matches your institution's).
7. If you already have an account, enter your credentials and log in. If you have an account but forgot your username or password, click on the **FORGOT PASSWORD?** button.

B. Enrolling in a Section

1. Search for your course (titled "**Stony Brook - CHEM 327 - Summer 2024**").
2. You will be prompted to enter an enrollment code. **Your enrollment code corresponds to your specific lab section (L##)**, which is the letter L followed by two numbers.
3. Click **Continue**.
4. Confirm your section details by choosing the **first day of the week** that your lab section meets.
5. Click **COMPLETE ENROLLMENT**. (See Brightspace content for a detailed enrollment guide)

ELN Support: If you need technical assistance with your electronic lab manual/notebook contact labflow support directly (support@labflow.freshdesk.com)

- **Labeling marker:** Black or Blue ink fine tip sharpie.
- **A web-enabled device (not required but strongly recommended).** You will be viewing the lectures online and taking lab notes directly to your electronic lab notebook. Based on prior semesters, we observed that most students brought their laptops or pad. The stockroom will provide equipment if you need it.
- **Chemical Splash Proof Safety goggles that follow the latest Z87.1 Standard for Occupational and Educational Eye and Face Protection established by ANSI.** Be sure you purchase chemical splash goggles and not a less effective kind of eye protection. Example: [Link1](#), [Link 2](#).

- **Heavy-duty gloves.** Lab Safety Supply Neoprene Gloves are recommended as they resist a broad range of organic and inorganic chemicals. Playtex Living Gloves are also satisfactory and probably the cheapest available. They can be found at a grocery store or home improvement store. Example: [Link](#).
- **Nitrile gloves (not required but recommended).** Disposable gloves to keep your hands clean when conducting experiments. They can be found at any superstore or home improvement store. Example: [Link](#).
- **Combination padlock.** This will be used to lock your lab drawer. A padlock requiring a key to open it will not be accepted. Example: [Link](#).
- **Appropriate clothing for the lab.** You should wear clothing and shoes that will cover your entire body. You will be provided a lab coat during check-in, which you will be required to wear during lab. Failure to adhere to the personal protection safety rules will result in an automatic absence and/or grade penalty to removal from the course.

TECHNICAL REQUIREMENTS

This course uses brightspace for facilitation of communication between faculty and students, and for posting grades. The Brightspace course site can be accessed at <https://it.stonybrook.edu/services/brightspace>.

If you are unsure of your NetID, visit <https://it.stonybrook.edu/help/kb/finding-your-netid-and-password> for more information. You are responsible for having a reliable computer and Internet connection throughout the term.

Technical Assistance:

If you need technical assistance at any time during the course or to report a problem with brightspace you can:

- Phone: 631-632-9800 (client support, Wi-Fi, software, and hardware)
- Submit a help request ticket: <https://it.stonybrook.edu/services/itsm>
- If you are on campus, visit the Walk-Up Tech Support Station in the Educational Communications Center (ECC) building.

GRADING (SUBJECT TO MINOR CHANGES)

You will be graded relative to other students. We will not have a curve. Generally, you can expect the following cutoffs with minor adjustments made based on the class average.

A ≥ 360, A- ≥ 340, B+ ≥ 320, B ≥ 300, B- ≥ 280, C+ ≥ 260, C ≥ 240, C- ≥ 220, D+ ≥ 200, D ≥ 180, D- ≥ 160

Theory Quizzes (100 points, 25%): There will be two 50-minute-long quizzes covering both theory and practice on Wed June 5th and Wed June 26th from 12:00-12:50 PM. In the event of a missed theory quiz with an acceptable excuse, a cumulative makeup theory quiz will be provided on June 28th from 12:00 – 12:50 PM. The exact locations for the quizzes will be announced on the Brightspace when the rooms are assigned. Students are allowed to make up only one missed theory quiz. Missing two theory quizzes will result in a zero for the other missed quiz.

Lab Notebook Checks (100 points, 25%): Your note-taking proficiency will be evaluated through periodic notebook checks. Additional details are available in the background reading. Ensure that your notebook entries are submitted before the conclusion of your lab period, as you will be automatically locked out of your electronic lab notebook ten minutes before end of the lab session.

Products (80 points, 20%): For almost every experiment, you'll be required to submit a product (or TLC plate) for evaluation. Ensure timely submission on the specified due date from the schedule or as announced by your instructors/TAs. In situations where a decision between greater purity and greater yield arises, prioritize purity, as it holds more value in point allocation. A unique case pertains to obtaining a refill from the stockroom, where a yield grade of zero will be assigned. The decision to proceed with existing materials or start anew is yours; however, consider taking the yield penalty if a refill presents an opportunity for a significantly purer product.

Post-Lab Assignments (90 points, 22.5%): Following each experiment, you'll find a post-lab assignment featuring a few questions to be completed on the Electronic Lab Notebook (ELN). Strictly adhere to the policy as **no late submissions will be allowed**. Ensure timely completion to stay aligned with the course requirements.

Lab Etiquette (30 points, 7.5%): Your commitment to lab etiquette is essential for a positive and safe laboratory environment. Ensure the following: arrive on time to the lab, work independently, and prepare thoroughly, show concern for safety, consideration for others, and exhibit good laboratory practices. It is mandatory to clean up your bench area before leaving the lab. Ten minutes before the end of each lab session, halt all lab work to allow time for cleanup. A detailed breakdown of the lab etiquette score is available in your Electronic Lab Notebook (ELN). Your TA will observe and assign a grade based on their observations during each lab. However, lab etiquette grades may not be disclosed until the end of the semester.

Penalties: Points may be deducted from your overall course total for not having safety goggles or heavy-duty gloves, arriving with inappropriate clothing, forgetting to bring a padlock or forgetting its combination more than once. It is important to adhere to course requirements to avoid any deductions.

Grade Adjustment Policy: No grades will be dropped. Instead, the value of your lowest post-lab and product grade for the first six experiments will be adjusted at the end of the course. Your final grade is reflective of your earned performance. Final grades are non-negotiable, and additional extra-credit assignments will not be provided to alter your grade. Please be mindful of your performance throughout the course to achieve the desired outcome.

IMPORTANT COURSE POLICIES

Lab Attendance Requirement: Successful completion of all lab hours is a prerequisite to receiving a grade in this course. If you are unable to attend a lab, promptly notify both your TA and the instructors.

Makeup Labs: A makeup lab, distinct from the missed one, will be arranged for students with an acceptable excuse for missing one of the first six labs (EXP1 - EXP 6). For those who miss a portion of the ester lab or the lidocaine lab, catch up during subsequent scheduled lab sessions. Failure to complete the makeup lab due to an absence will result in an incomplete grade, provided you have a passing grade in the course. Missing more than one lab will lead to an automatic F grade.

Makeup Cumulative Theory Quiz: A makeup cumulative theory quiz is available exclusively for students with acceptable excuses. Regardless of the specific theory quiz missed, all students who miss a quiz will be offered the same cumulative makeup theory quiz.

Late Submissions Policy: No late submissions will be accepted for assignments, projects, or assessments. It is the responsibility of each student to ensure that all work is submitted by the specified deadlines. Late submissions will not be considered, and any work received after the due date will receive a grade of zero. Please plan accordingly and communicate any potential issues or concerns with deadlines in advance. Exceptions to this policy will only be made in cases of documented emergencies or extenuating circumstances, and approval must be obtained from the instructor prior to the deadline.

Lab Cleanup Policy: To maintain a safe and organized laboratory environment, all students are required to participate in a thorough cleanup of their workspace. Ten minutes before the scheduled end of each lab session, students must begin the cleanup process. This includes properly storing equipment, disposing of materials as instructed, and leaving the workspace in a tidy condition. Failure to adhere to the lab cleanup policy may result in penalties, including point deductions or restrictions on future lab participation. It is essential that all students cooperate in maintaining a clean and safe laboratory for everyone's benefit. Your commitment to timely cleanup is appreciated and contributes to a positive learning environment. If you have any questions or concerns about the lab cleanup process, please feel free to discuss them with the instructors during office hours or through other communication channels provided.

Stockroom Policy: Equipment you borrow should be returned to the stockroom as soon as practical during the same lab period. Keep in mind that the stockroom **closes fifteen minutes before the scheduled end of the lab** period. The stockroom reserves the right to open your drawer anytime during the semester. If the stockroom is closed so that you cannot return borrowed equipment, you should lock it in your drawer. If another student needs the equipment, the stockroom staff will have to retrieve it and you may be charged a fee. If the equipment is still in your drawer the next period, be sure to return it promptly.

Recommendation Letters Policy: The instructors do not provide recommendation letters for students in this course due to limited day-to-day interactions. Recommendation letters are exclusively available to students selected as teaching assistants. If you require one, kindly approach the Teaching Assistant (TA) responsible for the lab sessions, as they have a more comprehensive understanding of your performance. A letter written by a teaching assistant will not be co-signed by the instructor. For questions or concerns, feel free to discuss during office hours or through provided communication channels.

Extra Credit Policy: No extra credit opportunities will be offered in this course. It is important for all students to focus on completing assigned coursework, participating in class activities, and meeting established requirements. Please plan your time and resources accordingly, as there will be no additional opportunities for extra credit assignments or projects. The emphasis will be on mastering the content covered in regular assessments and activities. If you have any questions or concerns about your performance in the course, I encourage you to discuss them with me during office hours or scheduled appointments.

RESPONSIBILITIES

Each student is responsible for knowing all procedures and course expectations detailed: in this document, the Electronic Lab Manual (ELN), on the Brightspace, or those announced in the online lectures or during the lab. In order to receive the most recent email notice and/or announcement through Brightspace you must check your stonybrook.edu email address. There will be lectures to watch before each lab. Failure to view the online lectures is not an excuse for not knowing what was presented or announced. It is your responsibility to find out about all the course information.

SUMMER SESSION SCHEDULE

Due to the condensed schedule of the SUMMER session, some changes in the course structure and policies were made from the normal CHE 327 course provided during the fall and spring semesters.

Any classes that are canceled by the University will be rescheduled and announced on the Brightspace. You would be required to attend lab on that day if such an incident occurs. This could shift the remaining schedule so **your schedule should allow for you to come into the lab on ANY designated class (even those specified for the other group) or makeup day.**

Tu 5/21/2024	Lab Check In
Preparation	1. Purchase ELN (labflow.com) 2. Purchase Combination lock 3. Purchase Chemical Resistant Splashproof Goggles 4. Purchase Heavy Duty Gloves 5. Purchase Fine Tip Sharpie Marker 6. Reading: Introduction PDF
Lecture Videos	Introduction Lab Policies Lab safety Electronic Lab Notebook
Lab	Go to Chemistry Room 344 to get entry to your assigned lab. Bring your goggles, heavy duty gloves, sharpie, and combination lock. In-Lab ELN Activity: Access the ELN page listed below and complete the activity. ELN Activity - Inventory Check-In Failure to check-in will result in deregistration.
ELN Post Lab	To be completed at home: Safety Voucher.
Th 5/23/2024	EXP 1: Crystallization of Benzoic
Due on your ELN	Safety Voucher [see ELN Check in folder]. Before the start of your lab. You will not be permitted to conduct experiment without the submission of the safety voucher.
Preparation	Read EXP 1 PDFs and watch the technique video/s: 01. Crystallization of Benzoic Acid Introduction and Procedure [PDF] 02. Related Techniques and Instruments [PDF] 03. Pre-Lab Video on Techniques
Lecture Videos	Crystallization Theory Crystallization Technique
Lab	EXP 1: Crystallization of benzoic acid In-Lab ELN Activity: Record your Data/Observation on the ELN page listed below. E1N. Lab Activity: Notebook - Crystallization of Benzoic Acid Part A and B [10 points]
ELN Post Lab	None. The post lab assignment for this experiment will be due after the completion of the Part C during the next lab session.

Tu 05/28/2024	EXP 2: Extraction of Trimyristin from Ground Nutmeg
Due	None.
Preparation	Read EXP 2 PDFs. 01. Extraction of Trimyristin from Nutmeg Introduction and Procedure [PDF] 02. Related Techniques and Instruments [PDF] 03. Pre-Lab Technique Video
Lecture Videos	Solid-liquid Extraction and Melting point Extraction Technique
Lab	EXP 2: Extraction of Trimyristin from Ground Nutmeg & Finish EXP 1. Part C. In-Lab ELN Activities: Record your Data/Observation on the ELN Pages listed below: 1. E2N. Lab Activity: Notebook - Extraction of Trimyristin from Nutmeg Part A and B [10 points] 2. E1P. Lab Activity: Notebook - Crystallization of Benzoic Acid Part C [10 points] → Submit benzoic acid product before leaving the lab.
ELN Post Lab	Submit the benzoic acid post lab assignment at home. E1R. Post Lab Report - Crystallization of Benzoic Acid [10 points].
Th 05/30/2024	
EXP 3: Myristic Acid Synthesis	
ELN Due	E1R. Post Lab Report - Crystallization of Benzoic Acid [10 points] Before the start of your lab.
Preparation	Read EXP 3 PDFs and watch the technique video. 01. Myristic Acid Synthesis Introduction and Procedure [PDF] 02. Related Techniques and Instruments [PDF] 03. Pre-Lab Technique Video 04. Heavy Duty Gloves will be needed at the lab
Lecture Videos	Ester Hydrolysis and Mixed Melting Point
Lab	EXP 3: Myristic Acid Synthesis. HEAVY DUTY GLOVES REQUIRED & Finish EXP 2. Part C. In-Lab ELN Activities: Record your Data/Observation on the ELN Pages listed below: 1. E3N. Lab Activity: Notebook - Myristic Acid Synthesis Part A and B [10 points] 2. E2P. Lab Activity: Notebook - Extraction of Trimyristin from Nutmeg Part C [10 points] → Submit trimyristin product before leaving the lab.
ELN Post Lab	Submit trimyristin post lab assignment at home. E2R. Post Lab Report - Extraction of Trimyristin from Nutmeg [10 points]

Tu 06/04/2024 EXP 4: Simple Distillation	
ELN Due	E2R. Post Lab Report - Extraction of Trimyrustin from Nutmeg [10 points] Due before the start of your lab.
Preparation	Read EXP 4 PDFs and watch the technique video. 01. Simple Distillation Introduction and Procedure [PDF] 02. Related Techniques and Instruments [PDF] 03. Pre-Lab Technique Video
Lecture Videos	Simple Distillation Theory and Technique
Lab	EXP 4: Simple Distillation & Finish EXP 3. Part C. In-Lab ELN Activities: Record your Data/Observation on the ELN Pages listed below: 1. E4N. Lab Activity: Notebook - Simple Distillation Parts A and B [10 points] 2. E3P. Lab Activity: Notebook - Myristic Acid Synthesis Part C [10 points] → Submit myristic acid product before leaving the lab.
ELN Post Lab	Submit at home: 1. E3R. Post Lab Report - Myristic Acid Synthesis [10 points] 2. E4R. Post Lab Report - Simple Distillation [10 points]
We 06/05/2024 In Person THEORY QUIZ 1	
12:00 – 12:50 PM	Theory Quiz 1. [Safety, Crystallization of Benzoic Acid, Extraction of trimyrustin, Myristic Acid Synthesis and Simple Distillation EXPs]
Th 06/06/2024 EXP 5: Isomerization of Dimethyl Maleate to Dimethyl Fumarate	
ELN Due	1. E3R. Post Lab Report - Myristic Acid Synthesis [10 points] 2. E4R. Post Lab Report - Simple Distillation [10 points]
Preparation	Read EXP 5 PDFs and watch the technique video. 01. Isomerization of Dimethyl Maleate to Dimethyl Fumarate Introduction and Procedure [PDF] 02. Related Techniques and Instruments [PDF] 03. Pre-Lab Lecture Tips/Videos/Slides
Lecture Videos	Isomerization of Dimethyl Maleate to Dimethyl Fumarate
Lab	EXP 5: Isomerization of Dimethyl Maleate to Dimethyl Fumarate In-Lab ELN Activities: Record your Data/Observation on the ELN Pages listed below: 1. E5N. Lab Activity: Notebook - Isomerization of Dimethyl Maleate to Dimethyl Fumarate [10 points] 2. E5P. Product - Isomerization of Dimethyl Maleate to Dimethyl Fumarate [10 points] → Submit TLC product before leaving the lab.
ELN Post Lab	Submit at home: E5R. Post Lab Report - Isomerization of Dimethyl Maleate to Dimethyl Fumarate [10 points]

Tu 06/11/2024	EXP 6: Isolation of Beta Carotene
ELN Due	E5R. Post Lab Report - Isomerization of Dimethyl Maleate to Dimethyl Fumarate [10 points]
Preparation	Read EXP 6 PDFs and watch the technique video. 01. Isolation of Beta Carotene Introduction and Procedure [PDF] 02. Related Techniques and Instruments [PDF] 03. Pre-Lab Technique Video
Lecture Videos	Chromatography (TLC and Column)
Lab	EXP 6: Isolation of Beta Carotene In-Lab ELN Activities: Record your Data/Observation on the ELN Pages listed below: 1. E6N. Lab Activity: Notebook - Isolation of Beta Carotene [10 points] 2. E6P. Product - Isolation of Beta Carotene [10 points] → Submit your used column and the TLC plate before leaving the lab.
ELN Post Lab	Submit at home: E6R. Post Lab Report - Isolation of Beta Carotene [10 points]
Th 06/13/2024	EXP 7: Ester Synthesis
ELN Due	E6R. Post Lab Report - Isolation of Beta Carotene [10 points]
Preparation	Read EXP 7 PDFs and watch the technique video. 01. Ester Synthesis Introduction and Procedure [PDF] 02. Related Techniques and Instruments [PDF] 03. Pre-Lab old Lecture and Technique IR prep Videos: 01. Old lecture.
Lecture Videos	Ester Synthesis
Lab (Mo-We)	EXP 7: Ester Synthesis In-Lab ELN Activities: Record your Data/Observation on the ELN Pages listed below: E7N1. Lab Activity: Notebook - Ester Synthesis Part A [10 points]
ELN Post Lab	None
Tu 06/18/2024	EXP 7: Ester Purification and Instrumentation
ELN Due	None
Preparation	Review: EXP 7 PDFs and watch the technique video. 01. Ester Synthesis Introduction and Procedure [PDF] 02. Related Techniques and Instruments [PDF] 03. Pre-Lab old Lecture and Technique IR prep Videos: 02. Preparing Salt Plates for IR
Lecture Videos	Ester Purification and Analysis (IR and GC)
Lab	EXP 7: Ester Purification and Instrumentation In-Lab ELN Activities: Record your Data/Observation on the ELN Pages listed below: 1. E7N2. Lab Activity: Notebook – Ester Synthesis Part B [10 points] 2. E7P. Lab Activity: Notebook - Ester Synthesis Part C and D [15 points] → Submit ester product in the instrument room.
ELN Post Lab	Submit at home: E7R. Post Lab Report - Ester Synthesis [15 points]

Th 06/20/2024	EXP 8: Multistep Synthesis of Lidocaine
ELN Due	E7R. Post Lab Report - Ester Synthesis [15 points]
Preparation	Read EXP 8 PDFs 01. Multistep Synthesis of Lidocaine Introduction and Procedure [PDF] 02. Related Techniques and Instruments [PDF]
Lecture Videos	Lidocaine Synthesis.
Lab	EXP 8: Multistep Synthesis of Lidocaine In-Lab ELN Activities: Record your Data/Observation on the ELN Pages listed below: E8N1. Lab Activity: Notebook - Multistep Synthesis of Lidocaine Parts A and B [10 points]
ELN Post Lab	None
Tu 06/25/2024	EXP 8: Multistep Synthesis of Lidocaine
ELN Due	None
Preparation	Review EXP 8 PDFs 01. Multistep Synthesis of Lidocaine Introduction and Procedure [PDF] 02. Related Techniques and Instruments [PDF]
Lecture Videos	Lidocaine Synthesis.
Lab	EXP 8: Multistep Synthesis of Lidocaine In-Lab ELN Activities: Record your Data/Observation on the ELN Pages listed below: E8N2. Lab Activity: Notebook - Multistep Synthesis of Lidocaine Parts C and D [10 points] Soft Check out Clean your glassware and take an inventory of your drawer. Get replacement as needed.
ELN Post Lab	None
We 06/26/2024	In Person THEORY QUIZ 2
12:00 – 12:50 PM	Theory Quiz 2. [isomerization, beta carotene, ester and lidocaine EXPs including GC and IR and related safety]

Th 06/27/2024	
EXP 8: Multistep Synthesis of Lidocaine/Makeup/Check Out	
ELN Due	None
Preparation	Review Melting point/mixed melting point technique. Makeup lab pdfs – for those who will conduct the makeup lab
Lab	EXP 8: Multistep Synthesis of Lidocaine In-Lab ELN Activities: Record your Data/Observation on the ELN Pages listed below: E8P. Lab Activity: Notebook - Multistep Synthesis of Lidocaine Parts E [15 points] Catch up. Students who missed one session of either ester or lidocaine EXPs. → Submit your lidocaine products. Makeup Lab. Only those who missed one of the first six experiments (EXP 1-EXP 6). → Submit TLC and products. Check Out. For everyone. Activity - Inventory Check-Out.
ELN Post Lab	E8R. Post Lab Report - Multistep Synthesis of Lidocaine [15 points]
Fr 06/28/2024	
ELN Due	DUE on 6/28/2024 at 12 PM E8R. Post Lab Report - Multistep Synthesis of Lidocaine [15 points]
12:00 – 12: 50 PM	Special Note: Makeup Cumulative Theory Quiz: Fri June 28th (12-12:50 PM) face-to-face. Only offered to those students who missed a theory quiz.

UNIVERSITY POLICIES

Student Accessibility Support Center Statement:

If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact the Student Accessibility Support Center, 128 ECC Building, (631) 632-6748, or at sasc@stonybrook.edu. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and the Student Accessibility Support Center. For procedures and information go to the following website: <https://ehs.stonybrook.edu/programs/fire-safety/emergency-evacuation/evacuationguide-people-physical-disabilities> and search Fire Safety and Evacuation and Disabilities.

Academic Integrity Statement:

Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty is required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty please refer to the academic judiciary website at http://www.stonybrook.edu/commcms/academic_integrity/index.html

Important Note: Any form of academic dishonesty, including cheating and plagiarism, will be reported to the Academic Judiciary.

Critical Incident Management:

Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of University Community Standards any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures. Further information about most academic matters can be found in the Undergraduate Bulletin, the Undergraduate Class Schedule, and the Faculty-Employee Handbook.

Understand When You May Drop This Course:

It is the student's responsibility to understand when they need to consider withdrawing from a course. Refer to the Stony Brook Academic Schedule for dates and deadlines for registration:

http://www.stonybrook.edu/commcms/registrar/calendars/academic_calendars.

- [Undergraduate Course Load and Course Withdrawal Policy](#)
- [Graduate Course Changes Policy](#)

STUDENT RESOURCES

Academic and Major Advising (*undergraduate only*): Have questions about choosing the right course? Contact an advisor today. Phone and emails vary-please see website for additional contact information; website: <https://www.stonybrook.edu/for-students/academic-advising/>

Academic Success and Tutoring Center (*undergraduate only*): <https://www.stonybrook.edu/tutoring/>

Amazon @ Stony Brook: Order your books before classes begin. Phone: 631-632-9828; email: Bookstore_Liaison@stonybrook.edu; website: <http://www.stonybrook.edu/bookstore/>

Bursar: For help with billing and payment. Phone: 631-632-9316; email: bursar@stonybrook.edu; website: <http://www.stonybrook.edu/bursar/>

Career Center: The Career Center's mission is to support the academic mission of Stony Brook University by educating students about the career decision-making process, helping them plan and attain their career goals, and assisting with their smooth transition to the workplace or further education. Phone: 631-632-6810; email: sbucareercenter@stonybrook.edu; website: <http://www.stonybrook.edu/career-center/> Counseling and Psychological Services: CAPS staff are available by phone, day or night. <http://studentaffairs.stonybrook.edu/caps/>

Ombuds Office: The Stony Brook University Ombuds Office provides an alternative channel for confidential, impartial, independent and informal dispute resolution services for the entire University community. We provide a safe place to voice your concerns and explore options for productive conflict management and resolution. The Ombuds Office is a source of confidential advice and information about University policies and procedures and helps individuals and groups address university-related conflicts and concerns. <http://www.stonybrook.edu/ombuds/>

Registrar: Having a registration issue? Let them know. Phone: 631-632-6175; email: registrar_office@stonybrook.edu; <http://www.stonybrook.edu/registrar/>

SBU Libraries: access to and help in using databases, ebooks, and other sources for your research.

- Research Guides and Tutorials: <http://guides.library.stonybrook.edu/>
- Getting Help: <https://library.stonybrook.edu/research/ask-a-librarian/>

Support for Online Learning: <https://www.stonybrook.edu/online/>