

CHE 242 SYLLABUS

Rowan College at Burlington County

**Fall 2021
STEM Division**

CHE 242-100	Organic Chemistry I
Credits and Contacts:	3 Credits, 3 Contact hours per week
Prerequisites:	CHE 240 and CHE 241 co-requisite is CHE 243
Day/Time/Location:	Tue/Thur 2:00 PM to 3:20 PM/ SB 218 Mount Laurel
Instructor Name:	Terrence Sherlock, Assistant Professor Office location TEC 211D
Contact Information:	Email: tsherlock@rcbc.edu (Email replies will be sent within 48 hours.) Website: www.chemistry-solutions.com
Office Hours:	see your blackboard page and my website

SECTION 1: Course Information

Course Description : This course is a continuation of Organic Chemistry I. The topics covered in this course include: structure, properties, and nomenclature of organic compounds; the complex synthesis of organic compounds; oxidation-reduction, electrophilic aromatic, nucleophilic addition and substitution reactions and their mechanisms; nuclear magnetic resonance (NMR) spectrometry; and an introduction to biochemistry.

Go to the following URL for additional information:

<http://www.bcc.edu/files/PDFFiles/CrsOutlines/CHE%20PDF/CHE242.pdf>

Text and other Materials Organic Chemistry; L. G. Wade, 9th edition hardcopy or Ebook via Brytewave ISBN 978 013 4183657

Course Learning Outcomes Upon completion of the course, students will be able to:

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- Recognize, draw, and differentiate, the different types and structures of organic compounds.
- Illustrate and apply the relationship between the structure of a compound and its properties.
- Understand and restate the different types of mechanisms in organic reactions.
- Design multi-step synthesis in the preparation of organic compounds.
- Explain the theory and applications of NMR spectrometry in organic chemistry.

General Educational Outcomes

Written and Oral Communication (Communication): Students will communicate meaningfully with a chosen audience while demonstrating critical thought.

Scientific Knowledge and Reasoning (Science): Students will demonstrate critical thinking skills in the analysis of scientific data.

Core Course Content

- Schedule, Unit Documents, PP presentations, practice exams, etc. can be found on your blackboard and also on the link www.chemistry-solutions.com

SECTION 2: COURSE STRUCTURE

Course and Classroom Policies

It is expected that you will attend all classes, take good notes, work hard and be accountable for your own success or failure. Get help in office hours and/or Tutoring when you need it.

Criteria for Grade Determination

The Grading Standard System is explained in the current RCBC College Catalog, located at <http://www.rcbc.edu/files/PDFFiles/publications/Catalog/RCBC1516Catalog-081015.pdf>

Assessment Methods

The course grade is determined from the average score of 4 exams.

The letter grade for this course is determined by the numerical course % using the following table:

<u>Numerical Course %</u>	<u>Course Letter Grade</u>
(89.5-100%)	A
(85.5-89.4%)	B ⁺
(79.5-85.4%)	B
(75.5-79.4%)	C ⁺
(69.5-75.4%)	C
(59.0-69.4%)	D
(<59.0%)	F

Note: *There is no extra credit work available. Exams cannot be retaken.*

Deadlines/Due Dates: Missed Exams: *If a student has a conflict with an exam date, they should schedule to take the exam **before** the scheduled date.*

Academic Integrity:

To help maintain the college's policy on academic integrity, any student found cheating on an exam or assignment will receive a grade of zero for that exam or assignment.

Course Schedule or Calendar

See your *blackboard* and/or www.chemistry-solutions.com

SECTION 3: COLLEGE RESOURCES

College Policies

In order for students to know their rights and responsibilities, all students are expected to review and adhere to all regulations and policies as listed in the College Catalog and Handbook. These documents can be accessed at <http://www.rcbc.edu/publications>.

Important policies and regulations include, but are not limited, to the following:

- Grading Standards
 - Withdraw (W) and Incomplete Grade (I)
 - Withdrawal date for this semester is November 2, 2021
- Student Code of Conduct
- Use of Communication and Information Technology
- College Attendance Policy
 - Students are required to attend all class, clinical, laboratory, and studio sessions for the full duration of each such instructional session. Faculty are required to record student attendance, and grade penalties for absence will be imposed when a student exceeds a ten percent non-excused absence rate, not to exceed 10% of the final grade.
 - For all on-campus courses, including hybrid and hybrid-mixed-mode on-campus meeting days, excused absences include: suspected COVID-19 related illness (i.e., exhibiting symptoms), tested positive for COVID-19, or demonstrated need to quarantine. For all VLC courses and hybrid and hybrid-mixed-mode virtual meeting days, excused absences include: suspected COVID-19 related illness (i.e., exhibiting symptoms that prevent the student from participating online).
 - Students are responsible for informing their instructor as soon as the situation is known and following all other guidelines as outlined by the college. Failure to do so may lead to the absence not being excused. Students are also responsible for communicating with instructors to make reasonable arrangements for the completion of course requirements not completed due to absence.

- Academic Dishonesty/Plagiarism
 - Specifically, the term “plagiarism” includes, but is not limited to, the use by paraphrase direct quotation, of the published or unpublished work or sections of a work of another person without full and clear acknowledgement, whether intentional or not. This includes any material copied directly or paraphrased from the internet. Plagiarism also constitutes the unacknowledged use of materials prepared by another person or agency engaged in the selling of a term papers or other academic materials, including material taken from or ordered through the Internet. For more information on academic dishonesty/plagiarism see Board Policy #903-C.

Office of Student Support and Disability Services

In accordance with Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act (ADA) and the ADA Amendments Act, the Student Support Services Office’s mission is to ensure all students with disabilities are provided access to educational and extracurricular activities while on college premises through support in the form of reasonable accommodations such as adaptive technology, counseling, note-taking assistance, and American Sign Language interpreters. Students who have disabilities must self-identify, provide documentation of disability(ies), attend an intake appointment, and sign a Disability Release Form (rcbc.edu/studentsupport) prior to the start of the semester to ensure reasonable accommodations. For more information please contact the Office of Student Support at ext. 1208. For additional information on this policy please refer to the current catalog.

Educational Technology Statement

Rowan College at Burlington County (RCBC) advocates the use of technology to enhance instruction. Students should assume that classroom and online technology will be used throughout their coursework at RCBC, as it will most certainly be used in their future education and careers. The College provides on-campus facilities for the convenience of the RCBC community. Various college departments, including the Office of Information Technology and the Office of Distance Education, provide technology training and assistance to faculty and students.

Student Success Services

RCBC offers a variety of free services for its students including those listed below. Descriptions of these services, as well as many others, can be found in the College Catalog and Handbook and on the RCBC website at <https://www.rcbc.edu/students>.

- **Academic Advising** (<https://www.rcbc.edu/advising>)
- **Struggling Personally or Academically** (<https://rcbc.edu/need-help-now>)
- **Career Services** (<https://www.rcbc.edu/careers>)
- **EOF** (<https://www.rcbc.edu/eof>)
- **Financial Aid** (<https://www.rcbc.edu/financial-aid>)

- **International Students Office** (<https://www.rcbc.edu/international>)
- **ESL Advising & Support** (<https://rcbc.edu/esl>)
- **Library** (<https://www.rcbc.edu/library>)
- **Office of Veteran Services** (<https://www.rcbc.edu/vets>)
- **RCBC Foundation -Scholarship information** (<https://www.rcbc.edu/foundation>)
- **RCBC bookstore** (<https://www.rcbc.edu/bookstore>)
- **Rowan University Partnership** (<https://www.rcbc.edu/rowan>)
- **Student Support Counseling** (<https://www.rcbc.edu/counseling>)
- **Tutoring** (<https://www.rcbc.edu/tutoring>)
- **Test Center** (<https://www.rcbc.edu/test-center>)
- **Transfer Services** (<https://www.rcbc.edu/transfer>)

This syllabus is subject to change at the instructor's discretion.