

Organic Chemistry Lab I
CHE-241

Lab Manual

Prepared by Ralph Fleming, 2017

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2017

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www.chemistry-solutions.com

Rowan College at Burlington County
Spring 2017
STEM Division
Syllabus: Organic Chemistry Lab I, CHE241

One Credit

Co-requisites: CHE240
Location: LAB SB212

Class Meeting Days: Three hours, Once per week per section,

Instructor(s) Ralph Fleming
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Office Hours: Mondays 10:00AM to Noon

SECTION 1:

Course Description:

This is the first semester of a two (2) semester transfer organic chemistry lab course, for 1 credit. This course provides laboratory experiences that apply to the topics and concepts covered in Organic Chemistry I.

Laboratories:

Three hours in the laboratory per week. Laboratory preparation information, laboratory safety information, laboratory procedures, and data are entered for each experiment in a laboratory notebook per procedures outlined in this syllabus. An analysis and an abstract are written for each experiment.

Required Text and other Materials

Laboratory Text: On Blackboard for the course.

Required Material: Lab coat, $\frac{3}{4}$ length (available in College Bookstore).

Course Learning Outcomes

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

- Demonstrate safe and effective work habits in the laboratory.
- Synthesize and purify organic compounds.
- Operate laboratory equipment with proper technique.
- Construct laboratory reports of their experiments.

General Education Outcomes.

Written and Oral Communication: Communication