

UMBC UGC Change in Existing Course: CHEM 437L Biochemistry Laboratory

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Proposed Effective Date: Spring 2010

	name	email	phone	dept
dept chair	William R. LaCourse	LaCourse@umbc.edu	5-2105	CHEM
contact	Dennis P. Cuddy	Cuddy@umbc.edu	5-2522	CHEM

COURSE INFORMATION:

change		current	proposed
<input type="checkbox"/>	course number(s)		
<input type="checkbox"/>	formal title		
<input type="checkbox"/>	transcript title (≤24c)		
<input checked="" type="checkbox"/>	prerequisite	CHEM 352L. Corequisite: CHEM 437 and consent of the instructor.	CHEM 351L, CHEM 300. Corequisite: CHEM 437 and consent of the instructor.
<input type="checkbox"/>	credits		
<input type="checkbox"/>	max. repeat credits		
<input type="checkbox"/>	grading method(s)	<input type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit <input type="checkbox"/> Pass-Fail	<input type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit <input type="checkbox"/> Pass-Fail

CURRENT CATALOG DESCRIPTION:

Modern methods of biochemical research. Laboratory experiments are designed to provide experience in working with biologically active materials and familiarity with standard biochemical techniques. These include spectrophotometry; chromatography; isotope tracer techniques; ultra-centrifugation; enzyme kinetics; and isolation, purification and characterization of proteins, nucleic acids and subcellular organelles. Two laboratory sessions per week. Prerequisite: CHEM 352L. Corequisite: CHEM 437 and consent of the instructor.

PROPOSED CATALOG DESCRIPTION: no changes change in description

Modern methods of biochemical research. Laboratory experiments are designed to provide experience in working with biologically active materials and familiarity with standard biochemical techniques. These include spectrophotometry; chromatography; isotope tracer techniques; ultra-centrifugation; enzyme kinetics; and isolation, purification and characterization of proteins, nucleic acids and subcellular organelles. Two laboratory sessions per week. Prerequisite: **CHEM 351L, CHEM 300.** Corequisite: CHEM 437 and consent of the instructor.

RATIONALE FOR CHANGE:

The experimental skills/techniques and background that students acquire in CHEM 351L and CHEM300 are used routinely in CHEM437L, whereas the skills/techniques acquired in CHEM352L are not.