

**UNIVERSITY COLLEGE OF THE FRASER VALLEY**

**COURSE INFORMATION**

**DISCIPLINE/DEPARTMENT:** CHEMISTRY **IMPLEMENTATION DATE:** Fall 1997

**Revised:** \_\_\_\_\_

<u>CHEM 411</u>	<u>Organic and Bio-Organic Mechanisms</u>	<u>3</u>
<b>SUBJECT/NUMBER OF COURSE</b>	<b>DESCRIPTIVE TITLE</b>	<b>UCFV</b>
<b>CREDITS</b>		

**CALENDAR DESCRIPTION:** Chemistry 411 will begin with a review of some of the aspects of reaction mechanisms that the student will have encountered in previous organic chemistry courses, including a survey of reaction types and a detailed examination of important reaction intermediates. Students will then examine the various techniques used by organic chemists in elucidating reaction mechanisms. The course will conclude with a discussion of the mechanisms in selected systems of biological importance. Enzyme-catalyzed reactions will be discussed and quantitative structure activity relationships in biological systems will be examined.

**RATIONALE:** To provide a course which links the study of organic reaction mechanisms to reactions taking place in biological systems.

**COURSE PREREQUISITES:** Chemistry 211/212

**COURSE COREQUISITES:** None

<b>HOURS PER TERM FOR EACH STUDENT</b>	<b>Lecture</b> 42 hrs <b>Laboratory</b> hrs <b>Seminar</b> hrs <b>Field Experience</b> hrs	<b>Student Directed Learning</b> hrs	<b>Other - specify:</b> hrs
	<b>TOTAL</b>	<b>42</b>	<b>HRS</b>

**MAXIMUM ENROLMENT:** 24

**Is transfer credit requested?** **9** Yes : No

**AUTHORIZATION SIGNATURES:**

**Course Designer(s):** A. Last/P. Slade **Chairperson:** T. Cooper  
**Curriculum Committee**

**Department Head:** A. Last **Dean:** W. Welsh

**PAC: Approval in Principle** \_\_\_\_\_ **PAC: Final Approval:** November 27, 1996  
 (Date) (Date)