UNIVERSITY COLLEGE of the FRASER VALLEY

PAC FORM #2

COURSE IMPLEMENTATION DATE:[**September 2001**
COURSE TO BE REVIEWED DATE:[**September 2005**
(Four years after implementation date)

OFFICIAL COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.

Shaded headings are subject to change at the discretion of the department and material will vary - see course syllabus available from instructor

FACULTY/DEPARTMENT: **CHEMISTRY**

CHEM 412		**4**
COURSE NAME/NUMBER	FORMER COURSE NUMBER	UCFV CREDITS

TOPICS IN ORGANIC CHEMISTRY
COURSE DESCRIPTIVE TITLE

CALENDAR DESCRIPTION:

In Chemistry 412 students will study a variety of topics that are of current interest to organic chemists. Whenever possible, these topics will be related to one another and to topics which have been introduced in other organic chemistry courses. Details of topics to be covered in a given semester will be posted on the Chemistry department website approximately one year before the course is offered.

PREREQUISITES: CHEM 311 or CHEM 312

COREQUISITES: None

SYNONYMOUS COURSE(S)

(a) Replaces: N/A *(Course #)*

(b) Cannot take N/A for further credit *(Course #)*

[**SERVICE COURSE TO:**

(Department / Program)

(Department / Program)

TOTAL HOURS PER TERM: **90**

STRUCTURE OF HOURS:

Lectures:	42	hrs
Seminar:		hrs
Laboratory:	36	hrs
Field Experience:		hrs
Student Directed Learning:		hrs
Other (Specify):		hrs
Tests and Seminars	12	

[**TRAINING DAY-BASED INSTRUCTION**

LENGTH OF COURSE:

[HOURS PER DAY:

MAXIMUM ENROLMENT: **24**

EXPECTED FREQUENCY OF COURSE OFFERING:

WILL TRANSFER CREDIT BE REQUESTED? **YES** _____ **NO** **X**

TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE: **YES** _____ **NO** **X**

AUTHORIZATION SIGNATURES:

Course designer(s): Art Last

Chairperson: *(Curriculum Committee)*

Department Head: Noham Weinberg

Dean: J. Snodgrass

PAC Approval in Principle Date:

PAC Final Approval Date: October 25, 2000

CHEM 412

COURSE NAME / NUMBER

LEARNING OBJECTIVES / GOALS / OUTCOMES/ LEARNING OUTCOMES:

To expose students to topics which are of current interest to organic chemists. Examples of topics that might be considered include the enantioselective synthesis of pharmaceuticals, combinatorial chemistry, and green chemistry.

METHODS:

Presentation of the course material will be through two 80-minute lectures each week. In addition, students will be encouraged to make use of audio and video tapes, computer software, and the World Wide Web. Extensive use of the library facilities will be required, including on-line access to research journals. Students will be encouraged to design their own experiments for the laboratory component of the course. Guest lecturers will be invited, if available.

PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Credit can be awarded for this course through PLAR YES _____ NO ___X___

METHODS OF OBTAINING PLAR:

TEXTBOOKS, REFERENCES, MATERIALS:

Depending on the topics to be covered, students may be required to purchase one or more specialized monographs; however, extensive use will be made of journals, particularly those which contain review articles.

Additional Support Materials:

Chemical Reviews*
Accounts of Chemical Research*
Chemical and Engineering News*
Canadian Chemical News*
Other journals and monographs as required.

* UCFV currently subscribes to these journals.

SUPPLIES / MATERIALS:

Chemicals and glassware for the laboratory component of the course.

STUDENT EVALUATION:

Would depend upon the exact nature of the topics taught, but would include an evaluation of laboratory work, a seminar and/or a poster presentation and/or a major term paper, a mid-term examination, and a final examination.

COURSE CONTENT:

Will depend on topics selected.