UNIVERSITY COLLEGE of the FRASER VALLEY



COURSE IMPLEMENTATION DATE: September 2000
COURSE REVISED IMPLEMENTATION DATE: September 2006
COURSE TO BE REVIEWED: December 2009
(Four years after UPAC final approval date) (MONTH YEAR)

# 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 the material will vary - see course syllabus available from instructor

FACULTY/DEPARTMENT: **CHEMISTRY**

| **CHEM 408** | | **3** |
|---|---|---|
| COURSE NAME/NUMBER | FORMER COURSE NUMBER | UCFV CREDITS |

**DIRECTED STUDIES IN CHEMISTRY**
COURSE DESCRIPTIVE TITLE

## CALENDAR DESCRIPTION:

This course is for students pursuing a major in chemistry and involves directed reading and/or literature research in an area of chemistry chosen in consultation with a supervisor. Normally this course will be taken during the fourth year of study.

PREREQUISITES: **At least six upper-level chemistry credits and permission of the department head.**
**Note: As of September 2007, a grade of B or better in three chemistry courses numbered 300 or above and permission of the department head will be required.**
COREQUISITES: **None**

SYNONYMOUS COURSE(S)
(a) Replaces: **N/A** *(Course #)*
(b) Cannot take: **N/A** *(Course #)* for further credit.

SERVICE COURSE TO: *(Department/Program)* *(Department/Program)*

TOTAL HOURS PER TERM: **90**
STRUCTURE OF HOURS:

| | | |
|---|---|---|
| Lectures: | | Hrs |
| Seminar: | | Hrs |
| Laboratory: | | Hrs |
| Field Experience: | | Hrs |
| Student Directed Learning: | **90** | Hrs |
| Other (Specify): | | Hrs |

TRAINING DAY-BASED INSTRUCTION
LENGTH OF COURSE:
HOURS PER DAY:

MAXIMUM ENROLLMENT: **6**
EXPECTED FREQUENCY OF COURSE OFFERINGS: **Every year**

| | | |
|---|---|---|
| WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only) | ☐ Yes | ☐ No |
| WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department) | ☐ Yes | ☒ No |
| TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE: | ☐ Yes | ☒ No |

AUTHORIZATION SIGNATURES:

Course Designer(s): Chemistry Curriculum Committee
Chairperson: Gillian Mimmack *(Curriculum Committee)*
Department Head: Arthur Last
Dean: Jackie Snodgrass
UPAC Approval in Principle Date:
UPAC Final Approval Date: December 7, 2005

**LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:**

Upon completion of the course, a successful student will have demonstrated the ability to:
- Formulate a written proposal in which the rationale for their choice of topic is presented.
- Carry out an in-depth literature search if required to do so by the supervisor*.
- Produce a written survey of the chosen topic, presented in a clear and scholarly way, and in the style of a major scientific journal.
- Present the results of their research by means of a seminar or other form of presentation approved by the supervisor and department head.

* Not required in the case of a directed reading situation.

**METHODS:**

Systematic and in-depth study of the literature pertaining to the chosen topic. This study may include the use of journals, databases, abstracts, and on-line resources.

**PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):**

Credit can be awarded for this course through PLAR (Please check:) ☐ Yes ☒ No

**METHODS OF OBTAINING PLAR:**

N/A

**TEXTBOOKS, REFERENCES, MATERIALS:**

[Textbook selection varies by instructor. An example of texts for this course might be:]

Original journal articles, reviews, etc. These are available in the UCFV library, on-line (e.g., through CRKN), or through inter-library loan.
Monographs, etc. selected by the supervisor

**SUPPLIES / MATERIALS:**

Library facilities. Internet access.

**STUDENT EVALUATION:**

[An example of student evaluation for this course might be:]

| | |
|---|---|
| Student proposal | 10% |
| Intermediate report | 15% |
| Final report | 35% |
| Oral presentation | 40% |

**COURSE CONTENT:**

[Course content varies by instructor. An example of course content might be:]

N/A