

COURSE SYLLABUS

1. **Program of Study** Bachelor of Science (Chemistry)
Faculty International College, Mahidol University
2. **Course Code** ICCH 454
Course Title Seminar in Chemistry
3. **Number of Credits** 2 (2-0-4) (**Lecture/lab/self-study**)
4. **Prerequisites** Seniors or with special permission of instructor
5. **Type of Course** Required major course
6. **Semester / Academic Year:**
Third trimester 2006-2007
7. **Course Conditions:** Number of students between 20-30
8. **Course Description:**
Current topics of interest in the frontier of chemical research discussed with emphasis on searching chemical database for research papers for in-class discussion.
9. **Course Objectives:**
After successful completion of this course, students should be able to
 - 9.1 present difficult scientific (chemical or biological chemistry) to an audience;
 - 9.2 have the ability to articulate chemistry or chemical knowledge with fluency and skill;
 - 9.3 conduct literature search from acceptable chemical database with skill and efficiency;
 - 9.4 have a better understanding of topics that are at the frontiers of chemical research.

10. Course Outline

Week	Topics	Hour			Instructor
		Lecture	Lab	Self-study	
1	Seminar	2	-	4	
2	Seminar	2	-	4	
3	Seminar	2	-	4	
4	Seminar	2	-	4	
5	Seminar	2	-	4	
6	Seminar	2	-	4	
7	Seminar	2	-	4	
8	Seminar	2	-	4	
9	Seminar	2	-	4	

10	Seminar	2	-	4	
11	Seminar	2	-	4	
12	Seminar	2	-	4	
	Total	24		48	

11. Teaching Methods:

11.1 Group discussion and presentation*

11.2 Self-study

11.3 Lecturing

* Student presentation topic posted ahead of time for timely preparation.

12. Teaching Media:

Transparencies, handouts and lecturing from boards.

13. Course Achievement:

Student achievement is measured and evaluated by

13.1 the ability to present difficult scientific (chemical or biological chemistry) to an audience;

13.2 the ability to articulate chemistry or chemical knowledge with fluency and skill;

13.3 the ability to conduct literature search from acceptable chemical database with skill and efficiency;

13.4 the ability to have a better understanding of topics that are at the frontiers of chemical research.

Student's achievement will be graded according to the College and University standard using the symbols: A, B+, B, C+, C, D+, D and F. Students must attend at least 80% of the total class hours of this course.

Assessment made from the set-forward criteria: student who gets 85% and above will have Grade A. Presentation in English and discussion participation.

14. Course Evaluation:

14.1 Students' achievement as indicated in number 13 above.

14.2 Students' satisfaction towards teaching and learning of the course using questionnaires.

15. References:

None

16. Instructors:

Dr. Pakorn Bovonsombat

17. Course Coordinator:

Dr. Pakorn Bovonsombat

Mahidol University International College, Mahidol University

Telephone: 02-4410595 ext. 1529

E-mail: icpakorn@mahidol.ac.th

