

课程大纲 COURSE SYLLABUS

1.	课程代码/名称 Course Code/Title	CHE5003/高等无机化学
2.	课程性质 Compulsory/Elective	专业课
3.	课程学分/学时 Course Credit/Hours	3.00/48
4.	授课语言 Teaching Language	英文
5.	授课教师 Instructor(s)	黄文忠
6.	先修要求 Pre-requisites	Inorganic chemistry II or equivalent
7.	教学目标 Course Objectives	
		The objectives of this course included but not limited to the following: - To provide the knowledge of Inorganic Photochemistry, with the main focus on transition metal coordination compounds; - To understand the basic concepts and recent development of Inorganic Photochemistry, with the illustration of literature examples; - To explore the potential application of Inorganic Photochemistry.
8.	教学方法 Teaching Methods	
		(1)Lectures delivery; (2)Presentation by students on selected topics. Selected topics will be assigned to the students, who are required to do literature search and give presentation. Through this literature search, the students will understand more about the knowledge in the particular area related to the content in the lecture.
9.	教学内容 Course Contents	
	Section 1	Basic concepts and laws
	Section 2	Supramolecular photochemistry
	Section 3	Electron transfer
	Section 4	Related potential applications
	Section 5	
	Section 6	
	Section 7	
	Section 8	
	Section 9	
	Section 10	
	
10.	课程考核	

	Course Assessment
	①考试; ②20% quiz, 30% literature search and presentation, 50% exam。
11.	教材及其它参考资料 Textbook and Supplementary Readings
	Lecture handouts Supplementary readings will be provided in the form of research journals