CHEMISTRY 415

Synthetic Inorganic Chemistry

January 13, 2000

Credit: Three semester hours
Instructor: Dr. C. Dean Parks
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Text: No text

***Welcome to CHE 415! This Syllabus** is provided to help you have a successful, enjoyable experience. Although we expect to conduct the course as described herein, we reserve the right to make modifications if circumstances dictate.*

Prerequisites: CHE 101-102, CHE 211

Description of course: Chemistry 415 is designed to be an upper level class which helps to tie together much of the information that is covered in earlier courses. It is primarily a laboratory course with only occasional lecture sessions. Most days will be spent on preparing inorganic compounds and writing lab reports about the synthesis and experiments that have been done to characterize these compounds. The selection of assigned experiments will cover a variety of inorganic compounds and will require the use of several different analytical techniques. The assigned experiment for each student will be posted on the bulletin board in room 411. There will also be some reference books in this room which must **not** be taken from the room. The library will also have some books that will be valuable in designing the lab work. Although the synthesis will usually be "wet" lab work, the characterizations will often require the use of instrumental methods. Formal laboratory reports will be submitted for each completed synthesis and characterization. The preparation of the assigned compounds is usually easy to follow but the characterization will require imagination and research. The lab reports will be due three(3) weeks after the start of the experiment unless special permission is given. Near the end of the semester each student will give an oral presentation describing one of the synthesis that they conducted. There will be no tests or final exam in this course.

Attendance: Your attendance at all class meetings is expected. Attendance will usually be checked each day by either passing a roll or looking at assignments that are turned in. Absences are recorded on the grade report that is mailed at the end of the semester. There is no penalty for class absences other than the missed information and opportunities for pop grades or extra work. This assumes that you do not have so many absences that you do not get credit for the course as described in the college catalog. Please refer to the *2000-2001 Mississippi College Undergraduate Bulletin*, pages 46-47. An accumulation of 4 absences results in an automatic **F** in the course. If a regular class meeting is missed, it is the student's responsibility to obtain any

assignments or instructions that were given by the instructor. Missing a class is **NOT** an excuse for not preparing for the next class meeting or not having any assignments ready on time. **Methods of Evaluating Student Progress:** The grading of the experiments will have to be subjective. Twenty(20) points are available for each experiment based on punctuality, quality, yield, technique, initiative, and the lab report. The evaluation of the oral report will also be included in the overall grade. It is of the utmost importance that all laboratory work is carried out under safe conditions and any unsafe behavior will severely affect the student's grade. The course grade is determined by dividing your grand total by the total possible points.

The grading scale is :	90-100%	A
	80-89%	B
	65-79%	C
	50-64%	D
	Below 50%	F

The last day to drop a class is Friday, March 30.

Academic integrity: Mississippi College students are expected to be honest. Please refer to the *2000-2001 Mississippi College Tomahawk* or University Policy 2.19 for specific information regarding penalties associated with dishonest behavior at Mississippi College.