

# Chemistry

## CHEM/Chemistry

### Ten Week Session

#### CHEM 2900 INTRO CHEM RSCH

713 (5034) CRE V Schwartz M  
 RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
 RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

#### CHEM 4900 SPECIAL PROBLEMS

001 (6143) CRE V M 05:00 pm-05:50 pm CHEM 253 Golden T  
 Course Topic: FORENSIC INTERNSHIP  
 RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
 COURSE TOPIC: FORENSIC INTERNSHIP

703 (6095) CRE V Omary M  
 RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
 RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM.

709 (6142) CRE V Slaughter III L  
 RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
 RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM.

715 (4703) CRE V Acree Jr W  
 RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
 RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM.

719 (5795) CRE V Marshall P  
 RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
 RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM.

720 (5033) CRE V Cundari T  
 RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
 RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

721 (6750) CRE V Kelber J  
 RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
 RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

723 (7278) CRE V De oliveira G  
 RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
 RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM.

724 (5389) CRE V Verbeck IV G  
 RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
 RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM.

725 (5032) CRE V Golden T  
 RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
 RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

726 (12367) CRE V Chyan O  
 RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
 RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM.

#### CHEM 4910 SPECIAL PROBLEMS

001 (6089) CRE V Golden T  
 Course Topic: FORENSIC INTERNSHIP  
 RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

#### CHEM 4912 RESEARCH CAPSTONE

001 (7053) CRE 3.0 Golden T  
 Course Topic: FORENSIC INTERNSHIP  
 RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
 CHEM 3220 OR EQUIVALENT AND WRITTEN CONSENT OF PROFESSOR.

## Five Week Session One

### CHEM 1360 CONTEXT OF CHEM

001 (6960) CRE 3.0 MTWR 08:00 am-09:50 am CHEM 109 Kinyanjui S  
FOR SCIENCES CORE REQUIREMENT IN LABORATORY SCIENCE. FOR NON-SCIENCE MAJORS ONLY.

Also meets: F 08:00 am-09:50 am CHEM 109 6/ 8/18-6/ 8/18

501 (12214) CRE 3.0 MTWR 05:29 pm-07:20 pm FRSC 104 Tekarli S  
THIS COURSE MEETS AT THE FRISCO CAMPUS  
2811 INTERNET BLVD., FRISCO TX 75034.

Also meets: F 05:29 pm-07:20 pm FRSC 104 6/ 8/18-6/ 8/18

### CHEM 1410 GEN CHEM SCI

001 (2483) CRE 3.0 MTWR 08:00 am-09:50 am CHEM 106 Petros A  
FOR SCIENCES CORE REQUIREMENT IN LABORATORY SCIENCE.

MUST ALSO BE ENROLLED IN CHEM 1410.211 RECITATION.

PREREQUISITE: MATH 1100 OR EQUIVALENT.

SHOULD ALSO BE ENROLLED IN CHEM 1430.

GEN CHEM SCI I

Also meets: F 08:00 am-09:50 am ENV 130 6/ 8/18-6/ 8/18

211 (2484) REC 0.0 M 02:00 pm-03:50 pm CHEM 106 Petros A  
HELP SESSION; MUST BE ENROLLED.

GEN CHEM SCI I

### CHEM 1430 LAB SEQ GEN CHEM

001 (12528) CRE 1.0 INET Petros A

WEB-BASED INSTRUCTION.

THIS IS AN INTERNET COURSE. COURSE ENROLLMENT IS RESTRICTED AND NON-TEXAS RESIDENT STUDENTS RESIDING OUTSIDE OF THE STATE ARE NOT ELIGIBLE TO ENROLL IN THIS SECTION. CONTACT THE DEPARTMENT FOR ENROLLMENT ASSISTANCE IN AN APPROPRIATE SECTION OF THE COURSE IF APPLICABLE.

MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410. MUST ALSO CHOOSE A .5XX LAB SECTION. THIS LECTURE SECTION IS ENTIRELY ONLINE. PLEASE NOTE THAT THE ASSOCIATED LAB SECTIONS WILL MEET ON CAMPUS ON THE INDICATED DAYS AND TIMES.

501 (2485) LAB 0.0 TWR 09:59 am-12:50 pm CHEM 131 Petros A  
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.

502 (2486) LAB 0.0 TWR 09:59 am-12:50 pm CHEM 134 Petros A  
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.

503 (2487) LAB 0.0 TWR 09:59 am-12:50 pm CHEM 137 Petros A  
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.

504 (2488) LAB 0.0 TWR 12:59 pm-03:50 pm CHEM 131 Petros A  
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.

505 (7067) LAB 0.0 TWR 12:59 pm-03:50 pm CHEM 134 Petros A  
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.

506 (7275) LAB 0.0 TWR 12:59 pm-03:50 pm CHEM 137 Petros A  
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.

507 (12529) LAB 0.0 TWR 03:59 pm-06:50 pm CHEM 131 Petros A

### CHEM 2370 ORGANIC CHEMISTRY

001 (2489) CRE 3.0 MTWR 11:00 am-12:50 pm SAGE 116 Berhe S

USUALLY TAKEN CONCURRENTLY WITH CHEM 3210.

PREREQUISITE: CHEM 1415, 1420, 1422, or 1423.

ORGANIC CHEMISTRY I

Also meets: F 11:00 am-12:50 pm SAGE 116 6/ 8/18-6/ 8/18

### CHEM 2900 INTRO CHEM RSCH

700 (2490) CRE V  
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.

MULTIPLE SECTIONS OFFERED.

MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

**CHEM 2910 INTRO CHEM RSCH**

700 (2514) CRE V

RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.

MULTIPLE SECTIONS OFFERED.

MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

**CHEM 3210 ORGANIC CHEM LAB**

001 (2538) CRE 1.0 M 09:30 am-10:50 am ENV 125 Berhe S

MUST ALSO BE ENROLLED IN ANY CHEM 3210.3XX LAB SECTION.

MUST HAVE HAD OR BE CONCURRENTLY REGISTERED FOR CHEM 2370

PREREQUISITE: CHEM 1440 AND CHEM 2370 (SHOULD BE TAKEN CONCURRENTLY)

301 (2539) LAB 0.0 TWR 08:00 am-10:50 am CHEM 241 Berhe S

302 (2540) LAB 0.0 TWR 08:00 am-10:50 am CHEM 243 Berhe S

303 (5879) LAB 0.0 TWR 01:30 pm-04:20 pm CHEM 241 Berhe S

304 (6403) LAB 0.0 TWR 01:30 pm-04:20 pm CHEM 243 Berhe S

305 (12530) LAB 0.0 TWR 04:30 pm-07:20 pm CHEM 241 Berhe S

306 (12531) LAB 0.0 TWR 04:30 pm-07:20 pm CHEM 243 Berhe S

**CHEM 3230 PHYSICAL MEASURE**

001 (7207) CRE 1.0 M 03:00 pm-04:50 pm CHEM 352 Mcafee J

PREREQUISITE: CHEM 3510 OR SHOULD BE TAKEN CONCURRENTLY.

MUST ALSO ENROLL IN CHEM 3230.3XX

301 (7208) LAB 0.0 TWR 12:59 pm-03:50 pm CHEM 280 Mcafee J

302 (12532) LAB 0.0 TWR 03:59 pm-06:50 pm CHEM 280 Mcafee J

**CHEM 3451 QUANT ANYL**

001 (12785) CRE 3.0 MTWR 12:00 pm-01:50 pm CHEM 352 Acree Jr W

Also meets: F 12:00 pm-01:50 pm CHEM 352 6/ 8/18-6/ 8/18

**CHEM 3452 QUANT ANYL LAB**

301 (12786) CRE 1.0 TWR 08:00 am-11:50 am CHEM 283 Acree Jr W

Also meets: F 08:00 am-11:50 am CHEM 283 6/ 8/18-6/ 8/18

302 (12787) CRE 1.0 TWR 02:00 pm-05:50 pm CHEM 283 Acree Jr W

Also meets: F 02:00 pm-05:50 pm CHEM 283 6/ 8/18-6/ 8/18

**CHEM 3510 PHYSICAL CHEM**

001 (7205) CRE 3.0 MTWR 09:59 am-11:50 am CURY 211 Mcafee J

MUST ALSO BE ENROLLED IN CHEM 3510.211

PRE-REQUISITES: MATH 1720

Also meets: F 09:59 am-11:50 am CURY 211 6/ 8/18-6/ 8/18

211 (7206) REC 0.0 M 12:59 pm-02:50 pm CURY 211 Mcafee J

**CHEM 4900 SPECIAL PROBLEMS**

700 (2541) CRE V

PREREQUISITE CHEM 3220 OR EQUIVALENT AND WRITTEN CONSENT OF PROFESSOR

MULTIPLE SECTIONS OFFERED.

MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.

**CHEM 4910 SPECIAL PROBLEMS**

700 (2565) CRE V

Prerequisite Chem 3220 or equivalent and written consent of professor.

MULTIPLE SECTIONS OFFERED.

MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.

**CHEM 4912 RESEARCH CAPSTONE**

700 (7003) CRE 3.0

RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
PREREQUISITE: CHEM 3220 OR EQUIVALENT AND WRITTEN CONSENT OF PROFESSOR.  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION OF NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

**CHEM 4920 COOP ED IN CHEMISTRY**

715 (2589) CRE V Acree Jr W  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

**CHEM 5900 SPECIAL PROBLEMS**

200 (2590) CRE V INET Golden T  
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.  
WEB-BASED INSTRUCTION.

RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

300 (2591) CRE V INET Golden T  
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.  
THIS COURSE IS RESTRICTED. LIMITED TO STUDENTS RESIDING OUT-OF-STATE ONLY. CONTACT DEPARTMENT.  
WEB-BASED INSTRUCTION.

RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

700 (2592) CRE V  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.

**CHEM 5910 SPECIAL PROBLEMS**

200 (2618) CRE V INET Golden T  
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.  
WEB-BASED INSTRUCTION.

RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

300 (2619) CRE V INET Golden T  
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.  
THIS COURSE IS RESTRICTED. LIMITED TO STUDENTS RESIDING OUT-OF-STATE ONLY. CONTACT DEPARTMENT.  
WEB-BASED INSTRUCTION.

RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

700 (2620) CRE V  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

**CHEM 5920 PROB LIEU THESIS**

750 (2644) CRE 3.0  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.

**CHEM 5930 PROB LIEU THESIS**

750 (2664) CRE 3.0  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.

**CHEM 5950 THESIS**

750 (2688) CRE V  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

**CHEM 6010 DOCTORAL SEMINAR**

700 (2713) CRE 3.0  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

**CHEM 6900 SPECIAL PROBLEMS**

700 (2732) CRE V  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

**CHEM 6910 SPECIAL PROBLEMS**

700 (2752) CRE V  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

**CHEM 6940 INDV RESEARCH**

750 (2777) CRE V  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

**CHEM 6950 DISSERTATION**

750 (2805) CRE V  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

**CHEM 6990 POST DOC RESEARCH**

750 (2828) CRE V  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

### Five Week Session Two

**CHEM 1420 GEN CHEM SCI**

001 (3697) CRE 3.0 MTWR 08:00 am-09:50 am CHEM 109 Browning C  
FOR SCIENCES CORE REQUIREMENT IN LABORATORY SCIENCE. MUST ALSO BE ENROLLED IN  
CHEM 1420.211 RECITATION. SHOULD ALSO BE ENROLLED IN CHEM 1440.  
GEN CHEM SCI II

211 (3698) REC 0.0 M 02:00 pm-03:50 pm CHEM 109 Browning C  
HELP SESSION; STUDENT MUST BE ENROLLED.  
GEN CHEM SCI II

**CHEM 1440 LAB SEQ GEN CHEM**

001 (12533) CRE 1.0 INET Browning C  
WEB-BASED INSTRUCTION.  
THIS IS AN INTERNET COURSE. COURSE ENROLLMENT IS RESTRICTED AND NON-TEXAS  
RESIDENT STUDENTS RESIDING OUTSIDE OF THE STATE ARE NOT ELIGIBLE TO ENROLL IN THIS  
SECTION. CONTACT THE DEPARTMENT FOR ENROLLMENT ASSISTANCE IN AN APPROPRIATE  
SECTION OF THE COURSE IF APPLICABLE.  
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420. MUST ALSO CHOOSE A .5XX  
LAB SECTION. THIS LECTURE SECTION IS ENTIRELY ONLINE. PLEASE NOTE THAT THE  
ASSOCIATED LAB SECTIONS WILL MEET ON CAMPUS ON THE INDICATED DAYS AND TIMES.

501 (3699) LAB 0.0 TWR 09:59 am-12:50 pm CHEM 131 Browning C  
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.

502 (3700) LAB 0.0 TWR 09:59 am-12:50 pm CHEM 134 Browning C  
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.

503 (3701) LAB 0.0 TWR 09:59 am-12:50 pm CHEM 137 Browning C  
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.

504 (3702) LAB 0.0 TWR 12:59 pm-03:50 pm CHEM 131 Browning C  
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.

505 (12534) LAB 0.0 TWR 12:59 pm-03:50 pm CHEM 134 Browning C  
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.

506 (7224) LAB 0.0 TWR 12:59 pm-03:50 pm CHEM 137 Browning C  
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.  
507 (12535) LAB 0.0 TWR 03:59 pm-06:50 pm CHEM 131 Browning C  
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.

**CHEM 2380 ORGANIC CHEMISTRY**

001 (3703) CRE 3.0 MTWR 11:00 am-12:50 pm SAGE 116 Berhe S  
USUALLY TAKEN CONCURRENTLY WITH CHEM 3220.  
PREREQUISITE: CHEM 2370  
ORGANIC CHEMISTRY I

**CHEM 2900 INTRO CHEM RSCH**

700 (3704) CRE V  
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

**CHEM 2910 INTRO CHEM RSCH**

700 (3728) CRE V  
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

**CHEM 3220 ORGANIC CHEM LAB**

001 (3752) CRE 1.0 M 09:30 am-10:50 am ENV 125 Berhe S  
MUST ALSO BE ENROLLED IN ANY CHEM 3220.3XX LAB SECTION.  
MUST HAVE HAD OR BE CONCURRENTLY REGISTERED FOR CHEM 2380  
PREREQUISITE: CHEM 2380 (SHOULD BE TAKEN CONCURRENTLY) AND CHEM 3210  
301 (3753) LAB 0.0 TWR 08:00 am-10:50 am CHEM 241 Berhe S  
302 (3754) LAB 0.0 TWR 08:00 am-10:50 am CHEM 243 Berhe S  
303 (5027) LAB 0.0 TWR 01:30 pm-04:20 pm CHEM 241 Berhe S  
304 (6404) LAB 0.0 TWR 01:30 pm-04:20 pm CHEM 243 Berhe S  
305 (7061) LAB 0.0 TWR 04:30 pm-07:20 pm CHEM 241 Berhe S  
306 (12536) LAB 0.0 TWR 04:30 pm-07:20 pm CHEM 243 Berhe S

**CHEM 3240 ADV PHYS MEASURE**

001 (11580) CRE 1.0 M 03:00 pm-04:50 pm CHEM 253 Weber R  
PREREQUISITE: CHEM 3520 OR SHOULD BE TAKEN CONCURRENTLY.  
MUST ALSO ENROLL IN CHEM 3240.3XX  
301 (11581) LAB 0.0 TWR 12:59 pm-03:50 pm CHEM 280 Weber R  
302 (12537) LAB 0.0 TWR 03:59 pm-06:50 pm CHEM 280 Weber R

**CHEM 3520 PHYSICAL CHEM**

001 (7222) CRE 3.0 MTWR 09:59 am-11:50 am CHEM 253 Weber R  
MUST ALSO BE ENROLLED IN CHEM 3520.211  
PRE-REQUISITES: CHEM 3510  
211 (7223) REC 0.0 M 12:59 pm-02:50 pm CURY 210 Weber R

**CHEM 4900 SPECIAL PROBLEMS**

700 (3755) CRE V  
PREREQUISITE CHEM 3220 OR EQUIVALENT AND WRITTEN CONSENT OF PROFESSOR  
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

**CHEM 4910 SPECIAL PROBLEMS**

700 (3779) CRE V  
Prerequisite Chem 3220 or equivalent and written consent of professor.  
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

**CHEM 4912 RESEARCH CAPSTONE**

700 (7028) CRE 3.0

RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
PREREQUISITE: CHEM 3220 OR EQUIVALENT AND WRITTEN CONSENT OF PROFESSOR.  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION OF NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

**CHEM 4920 COOP ED IN CHEMISTRY**

715 (3803) CRE V Acree Jr W  
MULTIPLE SECTIONS OFFERED.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

**CHEM 5900 SPECIAL PROBLEMS**

200 (3804) CRE V INET Golden T  
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.  
WEB-BASED INSTRUCTION.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

300 (3805) CRE V INET Golden T  
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.  
THIS COURSE IS RESTRICTED. LIMITED TO STUDENTS RESIDING OUT-OF-STATE ONLY. CONTACT DEPARTMENT.  
WEB-BASED INSTRUCTION.

700 (3806) CRE V  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

**CHEM 5910 SPECIAL PROBLEMS**

200 (3831) CRE V INET Golden T  
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.  
WEB-BASED INSTRUCTION.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
THIS IS AN INTERNET COURSE. COURSE ENROLLMENT IS RESTRICTED AND NON-TEXAS RESIDENT STUDENTS RESIDING OUTSIDE OF THE STATE ARE NOT ELIGIBLE TO ENROLL IN THIS SECTION. CONTACT THE DEPARTMENT FOR ENROLLMENT ASSISTANCE IN AN APPROPRIATE SECTION OF THE COURSE IF APPLICABLE.

300 (3832) CRE V INET Golden T  
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.  
THIS COURSE IS RESTRICTED. LIMITED TO STUDENTS RESIDING OUT-OF-STATE ONLY. CONTACT DEPARTMENT.  
WEB-BASED INSTRUCTION.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

700 (3833) CRE V  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

**CHEM 5920 PROB LIEU THESIS**

750 (3858) CRE 3.0  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

**CHEM 5930 PROB LIEU THESIS**

750 (3878) CRE 3.0  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.

**CHEM 5950 THESIS**

750 (12722) CRE V

RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

**CHEM 6010 DOCTORAL SEMINAR**

700 (3926) CRE 3.0  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

**CHEM 6900 SPECIAL PROBLEMS**

700 (3945) CRE V  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

**CHEM 6910 SPECIAL PROBLEMS**

700 (3965) CRE V  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

**CHEM 6940 INDV RESEARCH**

750 (3989) CRE V  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

**CHEM 6950 DISSERTATION**

750 (4017) CRE V  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

**CHEM 6990 POST DOC RESEARCH**

750 (4040) CRE V  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.