# Chemistry

## CHEM/Chemistry

### Ten Week Session

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<tr>
<th>Course Code</th>
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<tr>
<td>CHEM 2900</td>
<td>INTRO CHEM RSCH</td>
<td>Schwartz M</td>
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<tr>
<td>713 (4941)</td>
<td>CRE V</td>
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<td>RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT. RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM.</td>
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<tr>
<td>CHEM 4900</td>
<td>SPECIAL PROBLEMS</td>
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<tr>
<td>001 (6019)</td>
<td>CRE V M</td>
<td>Golden T</td>
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<td>05:00 pm-05:50 pm</td>
<td>CHEM 253</td>
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<td>RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT. COURSE TOPIC: FORENSIC INTERNSHIP.</td>
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<tr>
<td>703 (5971)</td>
<td>CRE V</td>
<td>Omary M</td>
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<tr>
<td>709 (6018)</td>
<td>CRE V</td>
<td>Slaughter III L</td>
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<td>714 (12949)</td>
<td>CRE V</td>
<td>Weber R</td>
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<td>715 (4627)</td>
<td>CRE V</td>
<td>Acree Jr W</td>
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<td>717 (12906)</td>
<td>CRE 3.0</td>
<td>Mcafee J</td>
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<td>719 (5672)</td>
<td>CRE V</td>
<td>Marshall P</td>
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<td>720 (4940)</td>
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<td>721 (6583)</td>
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<td>723 (7080)</td>
<td>CRE V</td>
<td>De oliveira G</td>
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<td>724 (5296)</td>
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<td>726 (11191)</td>
<td>CRE V</td>
<td>Chyan O</td>
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### CHEM 4910 SPECIAL PROBLEMS

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<td>RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT. COURSE TOPIC: FORENSIC INTERNSHIP.</td>
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### CHEM 4912 RESEARCH CAPSTONE

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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 (6782) CRE 3.0 MTWR 08:00 am-09:50 am CURY 104 Kinyanjui S
FOR SCIENCES CORE REQUIREMENT IN LABORATORY SCIENCE. FOR NON-SCIENCE MAJORS ONLY.
900 (12704) CRE 3.0 INET Tekarl S
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.

CHEM 1410 GEN CHEM SCI
001 (2475) 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 1410.211 RECITATION.
PREREQUISITE: MATH 1100 OR EQUIVALENT.
SHOULD ALSO BE ENROLLED IN CHEM 1430.
GEN CHEM SCI I
211 (2476) REC 0.0 M 02:00 pm-03:50 pm CHEM 109 Browning C
HELP SESSION; MUST BE ENROLLED.
GEN CHEM SCI I

CHEM 1430 LAB SEQ GEN CHEM
001 (11309) 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 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 (2477) LAB 0.0 TWR 09:59 am-12:50 pm CHEM 131 Browning C
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.
502 (2478) LAB 0.0 TWR 09:59 am-12:50 pm CHEM 134 Browning C
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.
503 (2479) LAB 0.0 TWR 09:59 am-12:50 pm CHEM 137 Browning C
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.
504 (2480) LAB 0.0 TWR 12:59 pm-03:50 pm CHEM 131 Browning C
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.
505 (6887) LAB 0.0 TWR 12:59 pm-03:50 pm CHEM 134 Browning C
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.
506 (12161) LAB 0.0 TWR 12:59 pm-03:50 pm CHEM 137
507 (11310) LAB 0.0 TWR 03:59 pm-06:50 pm CHEM 131 Browning C

CHEM 2370 ORGANIC CHEMISTRY
001 (2481) 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 6/7/19-6/7/19

CHEM 2900 INTRO CHEM RSCH
CHEM 2910  INTRO CHEM RSCH

CHEM 3210  ORGANIC CHEM LAB

CHEM 3230  PHYSICAL MEASURE

CHEM 3451  QUANT ANYL

CHEM 3452  QUANT ANYL LAB

CHEM 3510  PHYSICAL CHEM

CHEM 4900  SPECIAL PROBLEMS

CHEM 4910  SPECIAL PROBLEMS

CHEM 4912  RESEARCH CAPSTONE
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 (2581)   CRE V
Acree Jr W
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

CHEM 5900    SPECIAL PROBLEMS
200 (2582)   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 (2583)   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 (2584)   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 (2610)   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 (2611)   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 (2612)   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 (2636)   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 (2656)   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 (2680)   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 (2705)  CRE 3.0
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 6900  SPECIAL PROBLEMS
700 (2724)  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 (2744)  CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 6940  INDV RESEARCH
750 (2769)  CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 6950  DISSERTATION
750 (2797)  CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 6990  POST DOC RESEARCH
750 (2820)  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 (3646)  CRE 3.0  MTWR  08:00 am-09:50 am  CHEM 109  Stephens T
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 (3647)  REC 0.0  M  02:00 pm-03:50 pm  CHEM 106  Stephens T
HELP SESSION; STUDENT MUST BE ENROLLED.
GEN CHEM SCI II

CHEM 1440  LAB SEQ GEN CHEM
001 (11314)  CRE 1.0  INET  Stephens T
WEB-BASED INSTRUCTION.
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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 (3648)  LAB 0.0  TWR  09:59 am-12:50 pm  CHEM 131  Stephens T
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.
502 (3649)  LAB 0.0  TWR  09:59 am-12:50 pm  CHEM 134  Stephens T
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.
503 (3650)  LAB 0.0  TWR  09:59 am-12:50 pm  CHEM 137  Stephens T
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.
504 (3651)  LAB 0.0  TWR  12:59 pm-03:50 pm  CHEM 131  Stephens T
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.
505 (11315)  LAB 0.0  TWR  12:59 pm-03:50 pm  CHEM 134  Stephens T
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.

CHEM 2380  ORGANIC CHEMISTRY
001 (3652) 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 (3653) CRE V
RESTRICED 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 (3677) CRE V
RESTRICED 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 (3701) CRE 1.0 M 09:30 am-10:50 am CURY 103 Marpu 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 (3702) LAB 0.0 TWR 08:00 am-10:50 am CHEM 241 Marpu S
302 (3703) LAB 0.0 TWR 08:00 am-10:50 am CHEM 243 Marpu S
303 (4934) LAB 0.0 TWR 01:30 pm-04:20 pm CHEM 241 Marpu S
304 (6280) LAB 0.0 TWR 01:30 pm-04:20 pm CHEM 243 Marpu S
305 (6881) LAB 0.0 TWR 04:30 pm-07:20 pm CHEM 241 Marpu S
306 (11317) LAB 0.0 TWR 04:30 pm-07:20 pm CHEM 243 Marpu S

CHEM 3240  ADV PHYS MEASURE
001 (10678) CRE 1.0 M 03:00 pm-04:50 pm CHEM 352 Mcafee J
PREREQUISITE: CHEM 3520 OR SHOULD BE TAKEN CONCURRENTLY.
MUST ALSO ENROLL IN CHEM 3240.3XX
301 (10679) LAB 0.0 TWR 12:59 pm-03:50 pm CHEM 280 Mcafee J
302 (11318) LAB 0.0 TWR 03:59 pm-06:50 pm CHEM 280 Mcafee J

CHEM 3520  PHYSICAL CHEM
001 (7031) CRE 3.0 MTWR 09:59 am-11:50 am CHEM 109 Mcafee J
MUST ALSO BE ENROLLED IN CHEM 3520.211
PRE-REQUISITES: CHEM 3510
211 (7032) REC 0.0 M 12:59 pm-02:50 pm CHEM 109 Mcafee J

CHEM 4900  SPECIAL PROBLEMS
700 (3704) 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 (3728) 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
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 (3752)  CRE V
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
MULTIPLE SECTIONS OFFERED. APPROVAL REQUIRED. CONTACT DEPARTMENT.

CHEM 5900    SPECIAL PROBLEMS
200 (3753)  CRE V
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.
WEB-BASED INSTRUCTION.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
300 (3754)  CRE V
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.
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WEB-BASED INSTRUCTION.
700 (3755)  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 (3780)  CRE V
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.
WEB-BASED INSTRUCTION.
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300 (3781)  CRE V
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 (3782)  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 (3807)  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 (3827)  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
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 (3875) 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 (3894) 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 (3914) 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 (3938) 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 (3966) 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 (3989) CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.