# Chemistry

## Ten Week Session

### CHEM 2900 INTRO CHEM RSCH

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>713 (5034)</td>
<td>CRE V</td>
<td>Schwartz M</td>
</tr>
<tr>
<td>703 (6095)</td>
<td>CRE V</td>
<td>Omary M</td>
</tr>
<tr>
<td>709 (6142)</td>
<td>CRE V</td>
<td>Slaughter III L</td>
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<tr>
<td>715 (4703)</td>
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<td>719 (5795)</td>
<td>CRE V</td>
<td>Marshall P</td>
</tr>
<tr>
<td>720 (5033)</td>
<td>CRE V</td>
<td>Cundari T</td>
</tr>
<tr>
<td>721 (6750)</td>
<td>CRE V</td>
<td>Kelber J</td>
</tr>
<tr>
<td>723 (7278)</td>
<td>CRE V</td>
<td>De oliveira G</td>
</tr>
<tr>
<td>724 (5389)</td>
<td>CRE V</td>
<td>Verbeck IV G</td>
</tr>
<tr>
<td>725 (5032)</td>
<td>CRE V</td>
<td>Golden T</td>
</tr>
<tr>
<td>726 (12367)</td>
<td>CRE V</td>
<td>Chyan O</td>
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</table>

**Restrictions:**
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
- RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM.

### CHEM 4900 SPECIAL PROBLEMS

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>001 (6143)</td>
<td>CRE V M</td>
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<td>001 (6750)</td>
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<td>Kelber J</td>
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<tr>
<td>023 (6089)</td>
<td>CRE V</td>
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</table>

**Course Topic:** FORENSIC INTERNSHIP

**Restrictions:**
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
- RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM.

### CHEM 4912 RESEARCH CAPSTONE

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>001 (7053)</td>
<td>CRE 3.0</td>
<td>Golden T</td>
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</table>

**Course Topic:** FORENSIC INTERNSHIP

**Restrictions:**
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
- CHEM 3220 OR EQUIVALENT AND WRITTEN CONSENT OF PROFESSOR.
# Five Week Session One

**CHEM 1360  CONTEXT OF CHEM**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Title</th>
<th>Days</th>
<th>Time</th>
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<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>001</td>
<td>CHEM 1360</td>
<td>MTWR</td>
<td>08:00 am-09:50 am</td>
<td>CHEM 109</td>
<td>Kinyanjui S</td>
</tr>
<tr>
<td></td>
<td>FOR SCIENCES CORE REQUIREMENT IN LABORATORY SCIENCE. FOR NON-SCIENCE MAJORS ONLY.</td>
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<td></td>
<td>Also meets: F 08:00 am-09:50 am CHEM 109 6/8/18-6/8/18</td>
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<tr>
<td>501</td>
<td>CHEM 1360</td>
<td>MTWR</td>
<td>05:29 pm-07:20 pm</td>
<td>FRSC 104</td>
<td>Tekari S</td>
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<tr>
<td></td>
<td>THIS COURSE MEETS AT THE FRISCO CAMPUS 2811 INTERNET BLVD., FRISCO TX 75034.</td>
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<tr>
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<td>Also meets: F 05:29 pm-07:20 pm FRSC 104 6/8/18-6/8/18</td>
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**CHEM 1410  GEN CHEM SCI**

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<tbody>
<tr>
<td>001</td>
<td>CHEM 1410</td>
<td>MTWR</td>
<td>08:00 am-09:50 am</td>
<td>ENV 130</td>
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<td>MUST ALSO BE ENROLLED IN CHEM 1410.211 RECITATION.</td>
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<td>PREREQUISITE: MATH 1100 OR EQUIVALENT.</td>
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<td>SHOULD ALSO BE ENROLLED IN CHEM 1430.</td>
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<td>GEN CHEM SCI I</td>
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<td></td>
<td>Also meets: F 08:00 am-09:50 am ENV 130 6/8/18-6/8/18</td>
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<td>211</td>
<td>CHEM 1410</td>
<td>M</td>
<td>02:00 pm-03:50 pm</td>
<td>ENV 130</td>
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<td>HELP SESSION; MUST BE ENROLLED.</td>
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**CHEM 1430  LAB SEQ GEN CHEM**

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<td>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.</td>
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<td>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.</td>
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<td>503</td>
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<td>504</td>
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<td>CHEM 131</td>
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<td>TWR</td>
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<td>CHEM 137</td>
<td>Petros A</td>
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<td>03:59 pm-06:50 pm</td>
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<td>Petros A</td>
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**CHEM 2370  ORGANIC CHEMISTRY**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Title</th>
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<th>Time</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>001</td>
<td>CHEM 2370</td>
<td>MTWR</td>
<td>11:00 am-12:50 pm</td>
<td>SAGE 116</td>
<td>Berhe S</td>
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<td>USUALLY TAKEN CONCURRENTLY WITH CHEM 3210.</td>
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<td>PREREQUISITE: CHEM 1415, 1420, 1422, or 1423.</td>
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<td>ORGANIC CHEMISTRY I</td>
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<td></td>
<td>Also meets: F 11:00 am-12:50 pm SAGE 116 6/8/18-6/8/18</td>
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**CHEM 2900  INTRO CHEM RSCH**

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<tr>
<th>CRN</th>
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<th>Days</th>
<th>Time</th>
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<th>Instructor</th>
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<tr>
<td>700</td>
<td>CHEM 2900</td>
<td>V</td>
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<td>RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR. MULTIPLE SECTIONS OFFERED. MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.</td>
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### CHEM 2910  \hspace{1cm} INTRO CHEM RSCH

RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

### CHEM 3210  \hspace{1cm} 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)

### CHEM 3230  \hspace{1cm} 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

### CHEM 3451  \hspace{1cm} 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  \hspace{1cm} 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

### CHEM 3510  \hspace{1cm} PHYSICAL CHEM

- **001** (7205) CRE 3.0 MTWR 09:59 am-11:50 am CURY 110 Mcafee J
  - MUST ALSO BE ENROLLED IN CHEM 3510.211
  - PRE-REQUISITES: MATH 1720
  - Also meets: F 09:59 am-11:50 am CURY 110 6/8/18-6/8/18

### CHEM 4900  \hspace{1cm} 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  \hspace{1cm} 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  \hspace{1cm} 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

CHEM 5900  SPECIAL PROBLEMS

CHEM 5910  SPECIAL PROBLEMS

CHEM 5920  PROB LIEU THESIS

CHEM 5930  PROB LIEU THESIS

CHEM 5950  THESIS

CHEM 6010  DOCTORAL SEMINAR
CRE 3.0700 (2713)
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.

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.

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.
CHEM 137TWR Browning CLAB 0.0 12:59 pm-03:50 pm
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.

CHEM 131TWR Browning CLAB 0.0 03:59 pm-06:50 pm
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 CURY 210 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
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 IS COURSE 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 IS COURSE 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
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Sections Offered</th>
<th>Restriction Notes</th>
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<tr>
<td>CHEM 6010</td>
<td>Doctoral Seminar</td>
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<td>Restricted course. Approval required. Contact department.</td>
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<td>CHEM 6900</td>
<td>Special Problems</td>
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<td>CHEM 6990</td>
<td>Post Doc Research</td>
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