## CHEM 1360  CONTEXT OF CHEM

<table>
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<tr>
<th>Course</th>
<th>Time</th>
<th>Location</th>
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<td>MWF 11:00 am-11:50 am</td>
<td>CHEM 106</td>
<td>Stephens T</td>
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<td>900 (18049)</td>
<td>TR 3.0 03:30 pm-04:50 pm</td>
<td>INET</td>
<td>Tekari S</td>
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</table>

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

<table>
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<th>Course</th>
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<td>Petros A</td>
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<td>005 (2247)</td>
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<td>Mcafee J</td>
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<td>006 (5929)</td>
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<td>ENV 110</td>
<td>Weber R</td>
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<td>007 (2248)</td>
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For arts and sciences core requirements in laboratory science. Should also be enrolled in Chem 1430 laboratory. Prerequisite: Math 1100 or equivalent. Must be enrolled in Chem 1410.211.

For arts and sciences core requirement in laboratory science. Should also be enrolled in Chem 1430 laboratory. Prerequisite: Math 1100 or equivalent. Must be enrolled in Chem 1410.221.

For arts and sciences core requirement in laboratory science. Should also be enrolled in Chem 1430 laboratory. Choose from 1430.001 through .006 along with corresponding 1430 lab. Prerequisite: Math 1100 or equivalent. Must be enrolled in Chem 1410.231.

For arts and sciences core requirement in laboratory science. Should also be enrolled in Chem 1430 laboratory. Prerequisite: Math 1100 or equivalent. Must be enrolled in Chem 1410.241.

For arts and sciences core requirement in laboratory science. Should also be enrolled in Chem 1430 laboratory. Prerequisite: Math 1100 or equivalent. Must be enrolled in Chem 1410.251.

For arts and sciences core requirement in laboratory science. Should also be enrolled in Chem 1430 laboratory. Must also be enrolled in Chem 1410.261.

For arts and sciences core requirement in laboratory science. Should also be enrolled in Chem 1430 laboratory. Prerequisite: Math 1100 or equivalent. Must be enrolled in Chem 1410.271.

For arts and sciences core requirement in laboratory science. Should also be enrolled in Chem 1430 laboratory. Prerequisite: Math 1100 or equivalent. Must be enrolled in Chem 1410.281.
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</table>
MUST ALSO CHOOSE A .3XX LAB SECTION.
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.
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.
THIS LECTURE SECTION IS ENTIRELY ONLINE. PLEASE NOTE THAT THE ASSOCIATED LAB WILL MEET ON CAMPUS ON THE INDICATED DAYS AND TIMES.

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CLASS MEETS AT UNT INSPIRE PARK LOCATED AT 6170 RESEARCH RD. IN FRISCO, TEXAS 75034.

CHEM 1440  LAB SEQ GEN CHEM

001 (2283)  CRE 1.0  INET  Kinyanjui S
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.
MUST CHOOSE A .3XX LAB.
WEB-BASED INSTRUCTION.
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CHEM 2370  ORGANIC CHEMISTRY

001 (2286)  CRE 3.0  MWF  09:59 am-10:50 am  BLB 180  Dandekar S
PREREQUISITE: CHEM 1415, 1420, 1422 OR 1423.
SHOULD ALSO BE ENROLLED IN 3210 LAB.
MUST ALSO BE ENROLLED IN CHEM 2370.211

002 (2287)  CRE 3.0  MWF  08:00 am-08:50 am  ESSC 255  Subramaniam S
PREREQUISITE: CHEM 1415, 1420, 1422 OR 1423.
SHOULD ALSO BE ENROLLED IN 3210 LAB.
MUST ALSO BE ENROLLED IN CHEM 2370.212

003 (2288)  CRE 3.0  TR  09:30 am-10:50 am  SAGE 116  Berhe S
PREREQUISITE: CHEM 1415, 1420, 1422 OR 1423.
SHOULD ALSO BE ENROLLED IN 3210 LAB.
MUST ALSO BE ENROLLED IN CHEM 2370.213

211 (2289)  REC 0.0  M  02:00 pm-02:50 pm  LIFE A117  Dandekar S
ATTENDANCE MANDATORY.
212 (2290) REC 0.0  W  03:00 pm-03:50 pm  SAGE 116  Subramanium S
ATTENDANCE MANDATORY

time 213 (2291) REC 0.0  F  12:59 pm-01:50 pm  SAGE 116  Berhe S
ATTENDANCE MANDATORY

**CHEM 2380  ORGANIC CHEMISTRY**

001 (2292) CRE 3.0  TR  02:00 pm-03:20 pm  ENV 130  Dandekar S
PREREQUISITE: CHEM 2370
SHOULD ALSO BE ENROLLED IN CHEM 3220 LAB.
MUST ALSO BE ENROLLED IN CHEM 2380.211

211 (2293) REC 0.0  W  03:00 pm-03:50 pm  CHEM 109  Dandekar S
ATTENDANCE MANDATORY

**CHEM 2900  INTRO CHEM RSCH**

700 (2294) CRE V
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.
MANYCTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

705 (18374) CRE V  Marpu S
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

**CHEM 2910  INTRO CHEM RSCH**

700 (2318) CRE V
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.
MANYCTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

**CHEM 3210  ORGANIC CHEM LAB**

001 (2342) CRE 1.0  M  12:59 pm-01:50 pm  SAGE 116  Marpu S
PREREQUISITE: CHEM 1440 AND MUST HAVE HAD OR BE CONCURRENTLY REGISTERED FOR CHEM 2370
MUST ALSO BE ENROLLED IN ANY CHEM 3210.3XX LAB SECTION.
LAB LECTURE MUST MEET AT LEAST ONE DAY BEFORE ACTUAL LAB MEETS.

002 (2343) CRE 1.0  R  02:00 pm-02:50 pm  CHEM 109  Marpu S
PREREQUISITE: CHEM 1440 AND MUST HAVE HAD OR BE CONCURRENTLY REGISTERED FOR CHEM 2370
MUST ALSO BE ENROLLED IN ANY CHEM 3210.3XX LAB SECTION.
LAB LECTURE MUST MEET AT LEAST ONE DAY BEFORE ACTUAL LAB MEETS.

003 (5099) CRE 1.0  T  03:30 pm-04:20 pm  GAB 105  Marpu S
PREREQUISITE: CHEM 1440 AND MUST HAVE HAD OR BE CONCURRENTLY REGISTERED FOR CHEM 2370
MUST ALSO BE ENROLLED IN ANY CHEM 3210.3XX LAB SECTION.
LAB LECTURE MUST MEET AT LEAST ONE DAY BEFORE ACTUAL LAB MEETS.

004 (14086) CRE 1.0  M  03:30 pm-04:20 pm  GAB 104  Marpu S
PREREQUISITE: CHEM 1440 AND MUST HAVE HAD OR BE CONCURRENTLY REGISTERED FOR CHEM 2370
MUST ALSO BE ENROLLED IN ANY CHEM 3210.3XX LAB SECTION.
LAB LECTURE MUST MEET AT LEAST ONE DAY BEFORE ACTUAL LAB MEETS.

301 (2344) LAB 0.0  T  12:30 pm-03:20 pm  CHEM 241  Marpu S
302 (2345) LAB 0.0  T  06:30 pm-09:20 pm  CHEM 243  Marpu S
303 (4918) LAB 0.0  T  03:30 pm-06:20 pm  CHEM 241  Marpu S
304 (2346) LAB 0.0  W  12:00 pm-02:50 pm  CHEM 241  Marpu S
305 (2347) LAB 0.0  W  03:00 pm-05:50 pm  CHEM 241  Marpu S
306 (2348) LAB 0.0  W  06:00 pm-08:50 pm  CHEM 241  Marpu S
307 (2349) LAB 0.0  R  12:30 pm-03:20 pm  CHEM 241  Marpu S
308 (5536) LAB 0.0  T  09:30 am-12:20 pm  CHEM 241  Marpu S
309 (2350) LAB 0.0  F  12:00 pm-02:50 pm  CHEM 241  Marpu S
310 (2351) LAB 0.0  F  03:00 pm-05:50 pm  CHEM 241  Marpu S
311 (2352) LAB 0.0  R  06:30 pm-09:20 pm  CHEM 241  Marpu S
312 (2353) LAB 0.0  R  03:30 pm-06:20 pm  CHEM 241  Marpu S
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<th>Time</th>
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<td>Marpu</td>
<td>W</td>
<td>325 (14084)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:00 am-11:50 am</td>
<td>CHEM 241</td>
<td>Marpu</td>
<td>F</td>
<td>326 (14085)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:00 am-11:50 am</td>
<td>CHEM 243</td>
<td>Marpu</td>
<td>W</td>
<td>327 (14146)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:00 am-11:50 am</td>
<td>CHEM 243</td>
<td>Marpu</td>
<td>W</td>
<td>328 (14724)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00 pm-02:50 pm</td>
<td>CHEM 243</td>
<td>Marpu</td>
<td>M</td>
<td>329 (16946)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>03:00 pm-05:50 pm</td>
<td>CHEM 243</td>
<td>Marpu</td>
<td>M</td>
<td>330 (16947)</td>
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**CHEM 3220** ORGANIC CHEM LAB

<table>
<thead>
<tr>
<th>Time</th>
<th>Course</th>
<th>Section</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>02:00 pm-02:50 pm</td>
<td>CHEM 3220</td>
<td>LIFE A117</td>
<td>W</td>
<td>001 (2354)</td>
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**CHEM 3230** PHYSICAL MEASURE

<table>
<thead>
<tr>
<th>Time</th>
<th>Course</th>
<th>Section</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:59 pm-01:50 pm</td>
<td>CHEM 3230</td>
<td>Marpu</td>
<td>T</td>
<td>001 (2357)</td>
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<td></td>
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**CHEM 3451** QUANT ANYL

<table>
<thead>
<tr>
<th>Time</th>
<th>Course</th>
<th>Section</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30 am-10:50 am</td>
<td>CHEM 3451</td>
<td>Chyan</td>
<td>TR</td>
<td>001 (2359)</td>
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</table>

**CHEM 3452** QUANT ANYL LAB

<table>
<thead>
<tr>
<th>Time</th>
<th>Course</th>
<th>Section</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:59 pm-04:50 pm</td>
<td>CHEM 3452</td>
<td>Chyan</td>
<td>M</td>
<td>301 (2360)</td>
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</tr>
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**CHEM 3520** QUANT ANYL LAB

<table>
<thead>
<tr>
<th>Time</th>
<th>Course</th>
<th>Section</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:59 pm-04:50 pm</td>
<td>CHEM 3520</td>
<td>Chyan</td>
<td>M</td>
<td>301 (2361)</td>
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</tr>
</tbody>
</table>
CHEM 283W Chyan OCRE 1.0 05:00 pm-08:50 pm 303
PREREQUISITE: CHEM 1440.
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 3451.

CHEM 283R Chyan OCRE 1.0 12:59 pm-04:50 pm 304
PREREQUISITE: CHEM 1440.
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 3451.

CHEM 283T Chyan OCRE 1.0 05:00 pm-08:50 pm 305
PREREQUISITE: CHEM 1440.
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 3451.

CHEM 3510 PHYSICAL CHEM
001 (2363) CRE 3.0 MWF 09:59 am-10:50 am CHEM 106 Mcafee J
MUST ALSO BE ENROLLED IN CHEM 3510.211
PREREQUISITES: MATH 1720

CHEM 3601 ORGANIC CHEM
001 (2365) CRE 3.0 TR 09:30 am-10:50 am CHEM 352 Richmond M
PREREQUISITE: CHEM 1420 OR 1423.
SHOULD ALSO BE ENROLLED IN CHEM 3602.
DESIGNED FOR MEDICAL TECHNOLOGY, HUMAN RESOURCE MANAGEMENT, AND
OTHER STUDENTS REQUIRING A ONE-SEMESTER ORGANIC COURSE.
MUST BE ENROLLED IN 3601.211

CHEM 3602 ORGANIC CHEM LAB
301 (14877) CRE 1.0 R 12:30 pm-03:20 pm CHEM 243 Richmond M
302 (3865) CRE 1.0 R 03:30 pm-06:20 pm CHEM 243 Richmond M
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 3601.

CHEM 4610 ADV INORG CHEM
002 (2367) CRE 3.0 MW 02:00 pm-03:20 pm CHEM 352 Browning C
PREREQUISITE: CHEM 3520.

CHEM 4660 INTRO TO COMP CHEM
001 (14367) CRE 3.0 MW 12:30 pm-01:50 pm CHEM 232 Cisneros G
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

CHEM 4700 RSRCH METHOD SCI INSTR
001 (5578) CRE 3.0 MW 05:00 pm-06:50 pm PHYS 116 Sherman K
STUDENTS MUST BE ADMITTED TO MSST-MNU BEFORE ENROLLING IN COURSE. MATH AND
SCIENCE, SECONDARY TEACHING MINOR.

CHEM 4900 SPECIAL PROBLEMS
001 (16948) CRE V M 05:00 pm-05:50 pm CHEM 253 Williams K
Course Topic: FORENSIC INTERNSHIP
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

700 (2368) CRE V
PREREQUISITE: CHEM 3220 OR EQUIVALENT AND WRITTEN CONSENT OF INSTRUCTOR.
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

705 (18375) CRE V RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

716 (18879) CRE V RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

717 (18833) CRE V RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

728 (18834) CRE V RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
### CHEM 4910  SPECIAL PROBLEMS

700  (2392)  CRE V  
PREREQUISITE: CHEM 3220 OR EQUIVALENT AND WRITTEN CONSENT OF INSTRUCTOR.  
MULTIPLE SECTIONS OFFERED.  
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

### CHEM 4912  RESEARCH CAPSTONE

001  (16949)  CRE 3.0  M  05:00 pm-05:50 pm  CHEM 253  Williams K  
Course Topic: FORENSIC INTERNSHIP  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

### CHEM 4920  COOP ED IN CHEMISTRY

700  (2416)  CRE V  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

706  (14768)  CRE V  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

### CHEM 4930  SEL TOPICS CHEM

001  (15329)  CRE 3.0  TR  09:30 am-10:50 am  ENV 190  Dandekar S  
Course Topic: OPTY & RESPONSIBILITY IN CHEM  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

003  (16694)  CRE 3.0  MWF  08:00 am-08:50 am  CHEM 253  Williams K  
Course Topic: PRINCIPLES OF FORENSIC SCIENCE  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
Also meets: F 02:00 pm-04:50 pm CHEM 283  8/26/19-12/13/19

### CHEM 4940  CHEM SEMINAR

001  (2417)  CRE 1.0  F  03:30 pm-04:20 pm  CHEM 109  Cundari T

### CHEM 5010  GRAD TEACH AND RES

002  (2418)  CRE 2.0  MW  09:59 am-10:50 am  CHEM 253  Slaughter III L

### CHEM 5200  PHYSICAL CHEM

002  (2419)  CRE 3.0  TR  09:30 am-10:50 am  CHEM 253  Marshall P

### CHEM 5500  PHYSICAL ORGANIC

001  (14723)  CRE 3.0  MW  02:00 pm-03:20 pm  CHEM 253  Berhe S

### CHEM 5560  INORGANIC CHEM

002  (2420)  CRE 3.0  MW  02:00 pm-03:20 pm  CHEM 352  Browning C

### CHEM 5570  ADV ANLY CHEM

002  (4593)  CRE 3.0  MWF  09:00 am-09:50 am  CHEM 253  Verbeck IV G

### CHEM 5610  SEL TOP PHYS CHEM

001  (18303)  CRE 3.0  TR  11:00 am-12:20 pm  GAB 112  Kelber J  
Course Topic: CHEM & PHYS OF SURFACES  
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

### CHEM 5660  COMP CHEMISTRY

001  (14368)  CRE 3.0  MW  12:30 pm-01:50 pm  CHEM 232  Cisneros G

### CHEM 5900  SPECIAL PROBLEMS
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
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. CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.

700 (2421) CRE V
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER. MULTIPLE SECTIONS OFFERED.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

CHEM 5910  SPECIAL PROBLEMS

700 (2447) CRE V
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER. MULTIPLE SECTIONS OFFERED.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

CHEM 5920  PROB LIEU THESIS

750 (2473) CRE 3.0
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 5930  PROB LIEU THESIS

750 (2498) CRE 3.0
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

764 (18789) CRE 3.0
Weber R
Course Topic: LEARNING THEORIES IN CHEMISTRY
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

CHEM 5940  SEMINAR CUR CHEM

001 (2524) CRE 1.0  F  03:30 pm-04:20 pm CHEM 109  Cundari T

CHEM 5950  THESIS

750 (2525) 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 (2552) CRE 3.0
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 6940  INDV RESEARCH

750 (2577) CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

755 (18480) CRE V
Marpu S
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

764 (18372) CRE V
Weber R

778 (18481) CRE V
Williams K
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

CHEM 6950  DISSERTATION

750 (2605) 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  (2630)  CRE V
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

774  (4466)  CRE V
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.