**CHEM 1360  CONTEXT OF CHEM**

<table>
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<tr>
<th>Section</th>
<th>CRN</th>
<th>Type</th>
<th>Credits</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
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<tr>
<td>003</td>
<td>(18263)</td>
<td>CRE 3.0</td>
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<td>11:00 am-11:50 am</td>
<td>CHEM 106</td>
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<tr>
<td>510</td>
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<td>FRSC 161</td>
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This course meets at the Frisco campus.
2811 Internet Blvd., Frisco TX 75034.
Restricted course. Approval required. Contact department.

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This course meets at the Frisco campus.
2811 Internet Blvd., Frisco TX 75034.
Restricted course. Approval required. Contact department.

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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 1400  DISCOVER CHEMISTRY**

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<td>HKRY 252</td>
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Course Topic: FIRST YEAR SEMINAR IN CHEM

**CHEM 1410  GEN CHEM SCI**

<table>
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</table>

For COS core requirement in Laboratory Science.
Should also be enrolled in Chem 1430 laboratory.

Pre-Requisite: Math 1100 with C or better, or equivalent.
100% online. No on-site meetings. May require set times to participate online as noted.
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.

<table>
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<tr>
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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

<table>
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<tr>
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For COS core requirement in Laboratory Science
Should also be enrolled in Chem 1430 laboratory
Pre-Requisite: Math 1100 with C or better, or equivalent
Must also enroll in Chem 1410.231
MUST BE ENROLLED IN CHEM 1410.231

<table>
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<th>Section</th>
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THIS IS A SPECIAL ACTIVE LEARNING SECTION THAT FOLLOWS A DIFFERENT FORMAT FROM A TRADITIONAL COURSE. STUDENTS WILL BE EXPECTED TO COMPLETE ONLINE MODULES OUTSIDE OF SCHEDULED CLASS TIME. TWICE WEEKLY CLASSES WILL FOCUS ON INTERACTIVE, HANDS ON INSTRUCTION AND GRADED TEAM BASED PROBLEM SOLVING ASSIGNMENTS. EXAMS WILL ONLY BE AVAILABLE DURING SCHEDULED CLASS TIME.

Must also enroll in Chem 1410.241.

Pre Requisites: Math 1100 with C or better or equivalent.
Should also enroll in Chem 1430 Laboratory.
PHYS 102 TR 005 (2199) CRE 3.0 11:00 am-12:20 pm Kinyanjui S
FOR ARTS AND SCIENCES CORE REQUIREMENTS IN LABORATORY SCIENCE.
SHOULD ALSO BE ENROLLED IN CHEM 1430.
PREREQUISITE: MATH 1100 OR EQUIVALENT.
MUST BE ENROLLED IN CHEM 1410.251

006 (5569) CRE 3.0 MWF 09:00 am-09:50 am SAGE 230 Weber R
For COS core requirement in Laboratory Science
Should also be enrolled in Chem 1430 laboratory
Pre-Requisite: Math 1100 with C or better, or equivalent
Must also enroll in Chem 1410.261
This is an active learning class, so students are expected to come to class prepared to participate and
discuss the daily topics. Bringing an electronic device such as a laptop, tablet, or iPad would also be
helpful.
SHOULD ALSO BE ENROLLED IN CHEM 1430 LABORATORY.
MUST ALSO BE ENROLLED IN CHEM 1410.261

007 (2200) CRE 3.0 TR 08:00 am-09:20 am ENV 110 Kinyanjui S
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 1410.271

008 (4931) CRE 3.0 MW 12:00 pm-12:50 pm ENV 125 Petros A
This is a special active learning section that follows a different format. Students will be expected to
complete online modules outside of scheduled class time. Weekly classes will focus on interactive, hands
on instruction and graded teams based problem solving assignments.

Must also enroll in Chem 1410.281.

Pre Requisites: Math 1100 with C or better or equivalent.
SHOULD ALSO BE ENROLLED IN CHEM 1430 LABORATORY.
PREREQUISITE: MATH 1100 OR EQUIVALENT.
MUST BE ENROLLED IN CHEM 1410.281

009 (12926) CRE 3.0 MWF 11:00 am-11:50 am ENV 110 Zhang R
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 1410.291

011 (17911) CRE 3.0 TR 11:00 am-12:20 pm GAB 105 Zhang R
For COS core requirement in Laboratory Science

SHOULD ALSO BE ENROLLED IN CHEM 1430 laboratory

Pre-Requisite: Math 1100 with C or better, or equivalent

Must also enroll in Chem 1410.212

100% online. No on-site meetings. May require set times to participate online as noted.
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.

ATTENDANCE MANDATORY

ENV 110W Zhang RREC 0.0 02:00 pm-02:50 pm 241 (4645)
ATTENDANCE MANDATORY.
ENV 110F Kinyanjui SREC 0.0 08:00 am-08:50 am 110 (17684)
ATTENDANCE MANDATORY

210 (17684) REC 0.0 F 08:00 am-08:50 am ENV 110 Kinyanjui S
ATTENDANCE MANDATORY

12943 (12943) REC 0.0 INET

17685 (17685) REC 0.0 F 12:59 pm-01:50 pm ENV 110 Zhang R
ATTENDANCE MANDATORY.

221 (2201) REC 0.0 W 12:59 pm-01:50 pm WH 122 McAfee J
ATTENDANCE MANDATORY.

2202 (2202) REC 0.0 W 12:59 pm-01:50 pm ENV 125 Atkinson M
ATTENDANCE MANDATORY.

241 (4645) REC 0.0 W 02:00 pm-02:50 pm ENV 110 Zhang R
ATTENDANCE MANDATORY.

2203 (2203) REC 0.0 T 02:00 pm-02:50 pm GAB 104 Kinyanjui S
ATTENDANCE MANDATORY.
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<td>CHEM 109</td>
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*ATTENDANCE MANDATORY.*

**CHEM 1412** | **GEN CHEM HONORS COLL**

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<td>11:00 am-12:20 pm</td>
<td>CHIL 245</td>
<td>Kelber J</td>
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*HONORS COLLEGE STUDENTS ONLY*
*MUST ALSO BE ENROLLED IN CHEM 1412.221*

**CHEM 1413** | **HONORS GEN CHEM**

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<td>03:30 pm-04:20 pm</td>
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*FOR ARTS AND SCIENCES CORE REQUIREMENT IN LABORATORY SCIENCE. MUST ALSO BE ENROLLED IN CHEM 1413.211 HONORS CHEMISTRY. SHOULD ALSO BE ENROLLED IN CHEM 1430 LABORATORY.*
*PREREQUISITE: MATH 1100 OR EQUIVALENT.*
*RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.*
*Restricted course. Approval required. Contact department.*

**CHEM 1420** | **GEN CHEM SCI**

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*FOR ARTS AND SCIENCES CORE REQUIREMENT IN LABORATORY SCIENCE. MUST ALSO BE ENROLLED IN CHEM 1440 LABORATORY.*
*PREREQUISITE: CHEM 1420 OR EQUIVALENT. MUST BE ENROLLED IN CHEM 1420.221*

**CHEM 1430** | **LAB SEQ GEN CHEM**

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<th>Course Code</th>
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<th>Meeting Time</th>
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*100% online. No on-site meetings. May require set times to participate online as noted.*
*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 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.

301 (2208) LAB 0.0 M 09:00 am-11:50 am CHEM 131 Stephens T
302 (2209) LAB 0.0 M 12:00 pm-02:50 pm CHEM 131 Stephens T
303 (2210) LAB 0.0 M 03:00 pm-05:50 pm CHEM 131 Stephens T
304 (2211) LAB 0.0 M 06:00 pm-08:50 pm CHEM 131 Stephens T
305 (2212) LAB 0.0 M 09:00 am-11:50 am CHEM 134 Stephens T
306 (2213) LAB 0.0 M 12:00 pm-02:50 pm CHEM 134 Stephens T
307 (2214) LAB 0.0 M 03:00 pm-05:50 pm CHEM 134 Stephens T
308 (2215) LAB 0.0 M 06:00 pm-08:50 pm CHEM 134 Stephens T
313 (2220) LAB 0.0 T 09:30 am-12:20 pm CHEM 131 Stephens T
314 (2221) LAB 0.0 T 12:30 pm-03:20 pm CHEM 131 Stephens T
315 (2222) LAB 0.0 T 03:30 pm-06:20 pm CHEM 131 Stephens T
316 (2223) LAB 0.0 T 06:30 pm-09:20 pm CHEM 131 Stephens T
317 (2224) LAB 0.0 T 09:30 am-12:20 pm CHEM 134 Stephens T
318 (4661) LAB 0.0 T 12:30 pm-03:20 pm CHEM 134 Stephens T
319 (4662) LAB 0.0 T 03:30 pm-06:20 pm CHEM 134 Stephens T
320 (4663) LAB 0.0 T 06:30 pm-09:20 pm CHEM 134 Stephens T
325 (5235) LAB 0.0 W 09:00 am-11:50 am CHEM 131 Stephens T
326 (5400) LAB 0.0 W 12:00 pm-02:50 pm CHEM 131 Stephens T
327 (5571) LAB 0.0 W 03:00 pm-05:50 pm CHEM 131 Stephens T
328 (5572) LAB 0.0 W 06:00 pm-08:50 pm CHEM 131 Stephens T
329 (5573) LAB 0.0 W 09:00 am-11:50 am CHEM 134 Stephens T
330 (5574) LAB 0.0 W 12:00 pm-02:50 pm CHEM 134 Stephens T
331 (5575) LAB 0.0 W 03:00 pm-05:50 pm CHEM 134 Stephens T
332 (2225) LAB 0.0 W 06:00 pm-08:50 pm CHEM 134 Stephens T
337 (2230) LAB 0.0 R 09:30 am-12:20 pm CHEM 131 Stephens T
338 (2231) LAB 0.0 R 12:30 pm-03:20 pm CHEM 131 Stephens T
339 (2232) LAB 0.0 R 03:30 pm-06:20 pm CHEM 131 Stephens T
340 (2233) LAB 0.0 R 06:30 pm-09:20 pm CHEM 131 Stephens T
341 (2234) LAB 0.0 R 09:30 am-12:20 pm CHEM 134 Stephens T
342 (4646) LAB 0.0 R 12:30 pm-03:20 pm CHEM 134 Stephens T
343 (4647) LAB 0.0 R 03:30 pm-06:20 pm CHEM 134 Stephens T
344 (5399) LAB 0.0 R 06:30 pm-09:20 pm CHEM 134 Stephens T
349 (13247) LAB 0.0 F 09:00 am-11:50 am CHEM 131 Stephens T
350 (13248) LAB 0.0 F 12:00 pm-02:50 pm CHEM 131 Stephens T
351 (17686) LAB 0.0 F 03:00 pm-05:50 pm CHEM 131 Stephens T
352 (13249) LAB 0.0 F 06:00 pm-08:50 pm CHEM 131 Stephens T
353 (13305) LAB 0.0 F 09:00 am-11:50 am CHEM 134 Stephens T
354 (17687) LAB 0.0 F 12:00 pm-02:50 pm CHEM 134 Stephens T
355 (17689) LAB 0.0 F 03:00 pm-05:50 pm CHEM 134 Stephens T
356 (17690) LAB 0.0 F 09:00 am-11:50 am CHEM 137 Stephens T
651 (18789) LAB 0.0 W 10:30 am-01:20 pm FRIP 218 Tekarli S

Class meets at UNT Inspire Park located at 6170 Research Rd. In Frisco, Texas 75034.

652 (18790) LAB 0.0 W 01:30 pm-04:20 pm FRIP 218 Tekarli S

Class meets at UNT Inspire Park located at 6170 Research Rd. In Frisco, Texas 75034.
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.
MUST CHOOSE A .3XX LAB.
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.

CHEM 1980    EXPERIMENT COURSE

001 (18295) CRE 3.0 MWF 09:59 am-10:50 am  SAGE 230 Weber R
This is an active learning class, so students are expected to come to class prepared to participate and discuss the daily topics. Bringing an electronic device such as a laptop, tablet, or iPad would also be helpful.

CHEM 2370    ORGANIC CHEMISTRY

001 (2238) CRE 3.0 MWF 09:59 am-10:50 am  SAGE 116 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 (2239) CRE 3.0 MWF 08:00 am-08:50 am  SAGE 116 Corrales A
PREREQUISITE: CHEM 1415, 1420, 1422 OR 1423.
SHOULD ALSO BE ENROLLED IN 3210 LAB.
MUST ALSO BE ENROLLED IN CHEM 2370.212

003 (2240) 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

004 (17701) CRE 3.0 TR 08:00 am-09:20 am  LYCM Berhe S
PREREQUISITE: CHEM 1415, 1420, 1422 OR 1423.
SHOULD ALSO BE ENROLLED IN 3210 LAB.
MUST ALSO BE ENROLLED IN CHEM 2370.214
100% online. No on-site meetings. May require set times to participate online as noted. 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.

PREREQUISITE: CHEM 1415, 1420, 1422 OR 1423.

SHOULD ALSO BE ENROLLED IN 3210 LAB.

MUST ALSO BE ENROLLED IN CHEM 2370.215

PRE REQUISITES: CHEM 1420 AND 1440 WITH C OR BETTER.

MUST ALSO ENROLL IN CHEM 3210 LABORATORY.

CHEM 2380 ORGANIC CHEMISTRY

PREREQUISITE: CHEM 2370

MUST ALSO BE ENROLLED IN CHEM 3220 LAB.

MUST ALSO BE ENROLLED IN CHEM 2380.211

PRE REQUISITES: CHEM 2370 WITH C OR BETTER.

MUST ALSO ENROLL IN CHEM 3220 LABORATORY.

CHEM 2910 INTRO CHEM RSCH

Restricted course. Approval required. Contact department.

CHEM 2910 INTRO CHEM RSCH
**CHEM 3010**  OPP AND RESP IN CHEM

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<th>Code</th>
<th>Section</th>
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**CHEM 3210**  ORGANIC CHEM LAB

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<tr>
<td>001</td>
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Must also enroll in .3XX lab section.

Pre Requisites: Chem 1440 with C or better and concurrent enrollment in Chem 2370.

The 001 lab lecture will be online but associated 3XX lab sections will meet on campus in person at the listed days and times. 100% online. No on-site meetings. May require set times to participate online as noted.

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.

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<th>Code</th>
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**CHEM 3220**  ORGANIC CHEM LAB

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Will only meet on campus for LAB component.

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<th>Code</th>
<th>Section</th>
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<th>Instructor</th>
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CHEM 3230  PHYSICAL MEASURE

001 (2299)  CRE 1.0  T  12:59 pm-01:50 pm  HKRY 252  Weber R
MUST ALSO BE ENROLLED IN CHEM 3230.3XX.
CHEM 3510 (MAY BE TAKEN CONCURRENTLY).

CHEM 3330  FORENSIC SCIENCE ANALY

CHEM 3451  QUANT ANYL

PRE REQUISITES: CHEM 1420 & CHEM 1440 WITH C OR BETTER.
SHOULD ALSO BE ENROLLED IN CHEM 3452 LAB
CHOOSE FROM 3452.301 THROUGH 3452.305.

CHEM 3452  QUANT ANYL LAB

PRE REQUISITE: CHEM 1420 & 1440 WITH C OR BETTER.
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 3451.

CHEM 3510  PHYSICAL CHEM

MUST ALSO ENROLL IN CHEM 3510.211
SHOULD ALSO ENROLL IN CHEM 3230
PRE REQUISITES: CHEM 1420, MATH 1720 AND PHYS 1420 OR 2220 ALL WITH C OR BETTER

CHEM 4610  ADV INORG CHEM

PREREQUISITE: CHEM 3520.

CHEM 4660  INTRO TO COMP CHEM
Restricted course. Approval required. Contact department.

CHEM 4900  SPECIAL PROBLEMS

PREREQUISITE: CHEM 3220 OR EQUIVALENT AND WRITTEN CONSENT OF INSTRUCTOR.

Restricted course. Approval required. Contact department.

CHEM 4910  SPECIAL PROBLEMS

PREREQUISITE: CHEM 3220 OR EQUIVALENT AND WRITTEN CONSENT OF INSTRUCTOR.

Restricted course. Approval required. Contact department.

CHEM 4912  RESEARCH CAPSTONE

PREREQUISITE CHEM 3220 OR EQUIVALENT AND WRITTEN CONSENT OF PROFESSOR.

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

CHEM 4920  COOP ED IN CHEMISTRY

PREREQUISITE CHEM 3220 OR EQUIVALENT AND WRITTEN CONSENT OF PROFESSOR.

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

CHEM 4930  SEL TOPICS CHEM

Course Topic: FLOURESCENCE & PHOTOCHEMISTRY

Course topic: Florescence and Photochemistry.

Course Topic: ADV X-RAY DIFFRACTION

Course topic: Advanced X-Ray Defraction.

CHEM 4940  CHEM SEMINAR

Course Topic: ADV X-RAY DIFFRACTION

Course topic: Advanced X-Ray Defraction.
CHEM 5500  PHYSICAL ORGANIC
001 (13755) CRE 3.0  TR  12:30 pm-01:20 pm  MATT 114  Berhe S

CHEM 5560  INORGANIC CHEM
002 (2344) CRE 3.0  MW  02:00 pm-03:20 pm  CHEM 352  Omary M

CHEM 5570  ADV ANLY CHEM
002 (4339) CRE 3.0  MWF  09:00 am-09:50 am  CHEM 253  Verbeck IV G

CHEM 5640  SEL TOP ORG CHEM
001 (19394) CRE 3.0  TR  03:30 pm-04:20 pm  CHEM 253  D'Souza F
Course Topic: FLOURESCENCE & PHOTOCHEMISTRY
Restricted course. Approval required. Contact department.

CHEM 5660  COMP CHEMISTRY
001 (13464) CRE 3.0  MW  12:30 pm-01:50 pm  CHEM 232  Cisneros G

CHEM 5940  SEMINAR CUR CHEM
001 (2408) CRE 1.0  F  03:30 pm-04:20 pm  CHEM 109  Cundari T

CHEM 5950  THESIS
750 (2409) CRE V
Restricted course. Approval required. Contact department.

CHEM 6010  DOCTORAL SEMINAR
700 (2425) CRE 3.0

706 (17704) CRE 3.0  Wang H
Restricted course. Approval required. Contact department.

CHEM 6940  INDV RESEARCH
750 (2431) CRE V
Restricted course. Approval required. Contact department.
754 (17998) CRE V  Ma S
Restricted course. Approval required. Contact department.
758 (17999) CRE V  Atkinson M
Restricted course. Approval required. Contact department.
762 (18000) CRE V  Skellam E
Restricted course. Approval required. Contact department.
778 (16407) CRE V  Williams K
Restricted course. Approval required. Contact department.

CHEM 6950  DISSERTATION
750 (2448) CRE V
Restricted course. Approval required. Contact department.

CHEM 6990  POST DOC RESEARCH
750 (2464) CRE V
Restricted course. Approval required. Contact department.
774 (4219) CRE V  Verbeck IV G
Restricted course. Approval required. Contact department.