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  Omamy 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.
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.
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.

CHEM 1410  GEN CHEM SCI
001 (2483) CRE 3.0  MTWR  08:00 am-09:50 am  ENV 130  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
211 (2484) REC 0.0  M  02:00 pm-03:50 pm  ENV 130  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

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
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

CHEM 3452  QUANT ANYL LAB

001 (12786) CRE 1.0 TWR 08:00 am-11:50 am CHEM 283 Acree Jr W
302 (12787) CRE 1.0 TWR 02:00 pm-05:50 pm CHEM 283 Acree Jr W

CHEM 3510  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

211 (7206) REC 0.0 M 12:59 pm-02:50 pm CURY 210 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
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 IS COURSE 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 IS COURSE 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
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
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Sections</th>
<th>Schedule</th>
<th>Instructor</th>
<th>Prerequisites</th>
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<td>CHEM 2910</td>
<td>Intro Chem Rsch</td>
<td>700</td>
<td>(CRE V) 3704</td>
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<td>Restricted course approval required. Contact instructor. Multiple sections</td>
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<td>offered. Must register under 7XX section number assigned to supervising faculty</td>
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<td>CHEM 3220</td>
<td>Organic Chem Lab</td>
<td>001</td>
<td>Cre 1.0 TWR 3752</td>
<td>Berhe S</td>
<td>Restricted course approval required. Contact instructor. Multiple sections</td>
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<td>08:00 am-10:50 am</td>
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<td>offered. Must register under 7XX section number assigned to supervising faculty</td>
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<td>301</td>
<td>Lab 0.0 TWR 3753</td>
<td>Chem 241</td>
<td>Should be taken concurrently and Chem 3210.</td>
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<td>306</td>
<td>Lab 0.0 TWR 12536</td>
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<td>CHEM 3240</td>
<td>Adv Phys Measure</td>
<td>001</td>
<td>Cre 1.0 M 11580</td>
<td>Weber R</td>
<td>Restricted course approval required. Contact instructor. Multiple sections</td>
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<td>03:00 pm-04:50 pm</td>
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<td>offered. Must also enroll in Chem 3240.3XX</td>
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<td>301</td>
<td>Lab 0.0 TWR 11581</td>
<td>Chem 280</td>
<td>Should be taken concurrently.</td>
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<td>302</td>
<td>Lab 0.0 TWR 12537</td>
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<td>CHEM 3520</td>
<td>Physical Chem</td>
<td>001</td>
<td>Cre 3.0 MTWR 7222</td>
<td>Weber R</td>
<td>Restricted course approval required. Contact instructor. Multiple sections</td>
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<td>offered. Must also be enrolled in Chem 3520.211</td>
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<td>211</td>
<td>Rec 0.0 M 7223</td>
<td>Cur 210</td>
<td>Pre-requisites: Chem 3510</td>
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<tr>
<td>CHEM 4900</td>
<td>Special Problems</td>
<td>700</td>
<td>Cre V 3775</td>
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<td>Restricted course approval required. Contact instructor. Multiple sections</td>
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<td>offered. Must register under 7XX section number assigned to supervising faculty</td>
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<td>Special Problems</td>
<td>700</td>
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<td>CHEM 4912</td>
<td>Research Capstone</td>
<td>700</td>
<td>Cre 3.0 7028</td>
<td>Acree Jr W</td>
<td>Restricted course. Approval required. Contact department. Multiple sections</td>
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<td>CHEM 4920</td>
<td>Coop Ed in Chemistry</td>
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<tr>
<td>CHEM 5900</td>
<td>SPECIAL PROBLEMS</td>
<td>200, 300</td>
<td>3.0</td>
<td>Contact instructor at <a href="mailto:TGOLDEN@UNT.EDU">TGOLDEN@UNT.EDU</a> for material necessary for course. Web-based instruction. Restricted course. Approval required. Contact department.</td>
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<tr>
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<td>700</td>
<td>3.0</td>
<td>Contact instructor at <a href="mailto:TGOLDEN@UNT.EDU">TGOLDEN@UNT.EDU</a> for material necessary for course. This is course restricted. Limited to students residing out-of-state only. Contact department. Web-based instruction.</td>
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<tr>
<td>CHEM 5910</td>
<td>SPECIAL PROBLEMS</td>
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<td>3.0</td>
<td>Contact instructor at <a href="mailto:TGOLDEN@UNT.EDU">TGOLDEN@UNT.EDU</a> for material necessary for course. Web-based instruction. Restricted course. Approval required. Contact department.</td>
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<td>CHEM 5920</td>
<td>PROB LIEU THESIS</td>
<td>750</td>
<td>3.0</td>
<td>Contact instructor at <a href="mailto:TGOLDEN@UNT.EDU">TGOLDEN@UNT.EDU</a> for material necessary for course. Web-based instruction. Restricted course. Approval required. Contact department.</td>
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<tr>
<td>CHEM 5930</td>
<td>PROB LIEU THESIS</td>
<td>750</td>
<td>3.0</td>
<td>Contact instructor at <a href="mailto:TGOLDEN@UNT.EDU">TGOLDEN@UNT.EDU</a> for material necessary for course. Web-based instruction. Restricted course. Approval required. Contact department.</td>
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<tr>
<td>CHEM 5950</td>
<td>THESIS</td>
<td>750</td>
<td>3.0</td>
<td>Contact instructor. Restricted course. Approval required. Contact department. Multiple sections offered. Must register under 7XX section number assigned to supervising faculty member.</td>
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<td>CHEM 6010</td>
<td>DOCTORAL SEMINAR</td>
<td>700</td>
<td>3.0</td>
<td>Contact instructor at <a href="mailto:TGOLDEN@UNT.EDU">TGOLDEN@UNT.EDU</a> for material necessary for course. Web-based instruction. Restricted course. Approval required. Contact department.</td>
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<td>CHEM 6910</td>
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<td>CRE V, MULTIPLE SECTIONS OFFERED.</td>
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<td>MUST REGISTER UNDER 7XX SECTION NUMBER</td>
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