# PHYS/Physics

## PHYS 1052  SOLAR SYSTEM

<table>
<thead>
<tr>
<th>Section</th>
<th>CRN</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
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<tbody>
<tr>
<td>001</td>
<td>14945</td>
<td>MWF</td>
<td>11:00 am-11:50 am</td>
<td>ENV 110</td>
<td>Titsworth M</td>
</tr>
</tbody>
</table>

Directions for scheduling laboratory sessions will be given on the first day of class.

All laboratories are self-enrolled through Blackboard. For lab schedules, lab syllabus, and other lab information go to http://www.astronomy.unt.edu/labs.htm

## PHYS 1062  STARS & THE UNIV

<table>
<thead>
<tr>
<th>Section</th>
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<th>Time</th>
<th>Location</th>
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<tr>
<td>001</td>
<td>4836</td>
<td>MWF</td>
<td>09:59 am-10:50 am</td>
<td>ENV 130</td>
<td>Titsworth M</td>
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Directions for scheduling laboratory sessions will be given on the first day of class.

All laboratories are self-enrolled through Blackboard. For lab schedules, lab syllabus, and other lab information go to http://www.astronomy.unt.edu/labs.htm

## INET

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.
PHYS 1210  CONCEPTUAL PHYSICS

001  (4286)  CRE  3.0  TR  09:30 am-10:50 am  PHYS 104  Lopes V
MUST REGISTER FOR THE LAB TO GET CREDIT FOR CLASS.

002  (3595)  CRE  3.0  MWF  09:59 am-10:50 am  PHYS 104  Lopes V
MUST REGISTER FOR THE LAB TO GET CREDIT FOR CLASS.

501  (5867)  LAB  0.0  M  12:30 pm-02:20 pm  PHYS 228  Nyandoto G
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC)
TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

502  (5868)  LAB  0.0  M  03:00 pm-04:50 pm  PHYS 228  Nyandoto G
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC)
TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

503  (5869)  LAB  0.0  T  12:59 pm-02:50 pm  PHYS 228  Nyandoto G
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC)
TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

504  (5870)  LAB  0.0  W  09:59 am-11:50 am  PHYS 228  Nyandoto G
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC)
TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT. THE PIC TESTING

505  (5871)  LAB  0.0  W  03:00 pm-04:50 pm  PHYS 228  Nyandoto G
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC)
TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

506  (5872)  LAB  0.0  R  05:29 pm-07:20 pm  PHYS 228  Nyandoto G
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC)
TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

507  (6134)  LAB  0.0  T  11:00 am-12:50 pm  PHYS 228  Nyandoto G
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC)
TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

PHYS 1270  SCI MUSICAL SOUND

001  (4834)  CRE  3.0  MWF  09:00 am-09:50 am  CURY 204  Lawler C
MUST REGISTER FOR LAB TO GET CREDIT FOR CLASS.
LABORATORY EXERCISES MUST BE COMPLETED AS PART OF THE COURSE.

002  (14944)  CRE  3.0  MWF  12:00 pm-12:50 pm  CURY 204  Lawler C
MUST REGISTER FOR LAB TO GET CREDIT FOR CLASS.
LABORATORY EXERCISES MUST BE COMPLETED AS PART OF THE COURSE.

501  (5862)  LAB  0.0  M  11:29 am-01:20 pm  PHYS 229  Nyandoto G
502  (5863)  LAB  0.0  M  02:00 pm-03:50 pm  PHYS 229  Nyandoto G
503  (5860)  LAB  0.0  M  04:30 pm-06:20 pm  PHYS 229  Nyandoto G
504  (5864)  LAB  0.0  T  09:59 am-11:50 am  PHYS 229  Nyandoto G
505  (5865)  LAB  0.0  T  12:30 pm-02:20 pm  PHYS 229  Nyandoto G
506  (5866)  LAB  0.0  T  05:29 pm-07:20 pm  PHYS 229  Nyandoto G
507  (5861)  LAB  0.0  W  11:29 am-01:20 pm  PHYS 229  Nyandoto G
508  (5873)  LAB  0.0  W  02:00 pm-03:50 pm  PHYS 229  Nyandoto G
511  (5878)  LAB  0.0  R  12:30 pm-02:20 pm  PHYS 229  Nyandoto G
512  (5879)  LAB  0.0  R  03:00 pm-04:50 pm  PHYS 229  Nyandoto G
515  (5888)  LAB  0.0  F  02:00 pm-03:50 pm  PHYS 229  Nyandoto G

PHYS 1315  INTRO TO PHYSICS

001  (4835)  CRE  3.0  MWF  11:00 am-11:50 am  PHYS 104  Lukic-Zrnic R
MUST REGISTER FOR THE LAB TO GET CREDIT FOR CLASS.

002  (5758)  CRE  3.0  TR  11:00 am-12:20 pm  PHYS 104  Lukic-Zrnic R
MUST REGISTER FOR THE LAB TO GET CREDIT FOR CLASS.

502  (5874)  LAB  0.0  T  09:59 am-11:50 am  PHYS 204  Nyandoto G
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC)
TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.
PHYS 204W Nyandoto GLAB 0.0 09:00 am-10:50 am

PHYS 204R Nyandoto GLAB 0.0 12:30 pm-02:20 pm

PHYS 204R Nyandoto GLAB 0.0 03:00 pm-04:50 pm

PHYS 1410  GEN PHYSICS I

001 (3596) CRE 3.0 W 06:00 pm-08:50 pm
MUST COMPLETE PHYS 1430.50X TO GET LABORATORY SCIENCE CREDIT. MUST ALSO ENROLL IN PHYS 1410.201 RECITATION.

002 (4843) CRE 3.0 TR 11:00 am-12:20 pm
MUST COMPLETE PHYS 1430.50X TO GET LABORATORY SCIENCE CREDIT. MUST ALSO ENROLL IN PHYS 1410.202 RECITATION.

PHYS 1420  GEN PHYSICS II

001 (3598) CRE 3.0 TR 12:30 pm-01:50 pm
MUST COMPLETE PHYS 1440.50X TO GET LABORATORY SCIENCE CREDIT. MUST ALSO ENROLL IN PHYS 1420.201 RECITATION.

PHYS 1430  GEN PHYSIC LAB I

001 (3600) CRE 1.0 M 12:30 pm-02:20 pm
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC) TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

002 (5880) CRE 1.0 M 03:00 pm-04:50 pm
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC) TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

003 (5881) CRE 1.0 T 09:59 am-11:50 am
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC) TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

004 (5882) CRE 1.0 T 12:30 pm-02:20 pm
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC) TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

005 (5883) CRE 1.0 W 09:59 am-11:50 am
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC) TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

006 (5884) CRE 1.0 W 12:30 pm-02:20 pm
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC) TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

007 (5885) CRE 1.0 W 05:29 pm-07:20 pm
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC) TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

008 (6132) CRE 1.0 R 09:59 am-11:50 am
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC) TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

009 (5886) CRE 1.0 R 12:30 pm-02:20 pm
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC) TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

010 (5887) CRE 1.0 R 03:00 pm-04:50 pm
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC) TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

PHYS 1440  GEN PHYSIC LAB II
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC) TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

PHYS 1510  GEN PHYS I W/ CALC
001 (3602) CRE 3.0  TR 12:30 pm-01:50 pm PHYS 104 Littler C
MUST COMPLETE PHYS 1530.501 OR 502 TO GET LABORATORY SCIENCE CREDIT. MUST ALSO ENROLL IN PHYS 1510.201 RECITATION.
201 (3603) REC 0.0  R 02:00 pm-02:50 pm PHYS 104 Littler C

PHYS 1530  LAB GEN PHYS W/ CALC I

PHYS 1710  MECHANICS
001 (4397) CRE 3.0  MWF 09:00 am-09:50 am PHYS 102 Lopes V
MUST COMPLETE PHYS 1730.5XX TO GET LABORATORY SCIENCE CREDIT. TESTS WILL BE GIVEN ON ALSO MEETS' DATES. MUST ALSO ENROLL IN RECITATION PHYS 1710.201, 202, 203, 204, or 205.
002 (4622) CRE 3.0  TR 09:30 am-10:50 am PHYS 102 Lin Y
MUST COMPLETE PHYS 1730.5XX TO GET LABORATORY SCIENCE CREDIT. TESTS WILL BE GIVEN ON ALSO MEETS' DATES. MUST ALSO ENROLL IN RECITATION PHYS 1710.206, 207, 208, 209, or 210.
003 (3605) CRE 3.0  MWF 11:00 am-11:50 am PHYS 102 Perez J
MUST COMPLETE PHYS 1730.5XX TO GET LABORATORY SCIENCE CREDIT. TESTS WILL BE GIVEN ON ALSO MEETS' DATES. MUST ALSO ENROLL IN RECITATION PHYS 1710.211, 212, 213, 214, or 215.
004 (3606) CRE 3.0  MWF 09:59 am-10:50 am PHYS 102 Andreussi O
MUST COMPLETE PHYS 1730.5XX TO GET LABORATORY SCIENCE CREDIT. TESTS WILL BE GIVEN ON ALSO MEETS' DATES. MUST ALSO ENROLL IN RECITATION PHYS 1710.216, 217, 218, 219, or 220.
PHYS 116W Perez JREC 0.0 12:00 pm-01:50 pm 215 (17004)
PHYS 115MF Andreussi OREC 0.0 08:00 am-08:50 am 216 (17005)
PHYS 115MF Andreussi OREC 0.0 11:00 am-12:50 pm 217 (17006)
PHYS 115W Andreussi OREC 0.0 12:59 pm-01:50 pm 218 (17007)
PHYS 115F Andreussi OREC 0.0 11:00 am-12:50 pm 219 (17008)
PHYS 1730 MECHANICS LAB
PHYS 202M Nyandoto GCRE 1.0 09:59 am-11:50 am 501 (3608)
PHYS 202M Nyandoto GCRE 1.0 12:30 pm-02:20 pm 502 (5894)
PHYS 202M Nyandoto GCRE 1.0 03:00 pm-04:50 pm 503 (5902)
PHYS 202R Nyandoto GCRE 1.0 08:00 am-09:50 am 504 (5903)
PHYS 202R Nyandoto GCRE 1.0 09:59 am-11:50 am 505 (5904)
PHYS 202W Nyandoto GCRE 1.0 09:59 am-11:50 am 506 (5905)
PHYS 202W Nyandoto GCRE 1.0 12:30 pm-02:20 pm 507 (5906)
PHYS 202W Nyandoto GCRE 1.0 03:00 pm-04:50 pm 508 (5907)
PHYS 202W Nyandoto GCRE 1.0 05:29 pm-07:20 pm 509 (5908)
PHYS 202R Nyandoto GCRE 1.0 08:00 am-09:50 am 510 (5913)
PHYS 202R Nyandoto GCRE 1.0 09:59 am-11:50 am 511 (5912)
PHYS 202R Nyandoto GCRE 1.0 12:30 pm-02:20 pm 512 (5914)
PHYS 202R Nyandoto GCRE 1.0 09:59 am-11:50 am 513 (5916)
PHYS 202R Nyandoto GCRE 1.0 12:30 pm-02:20 pm 514 (5917)
PHYS 202R Nyandoto GCRE 1.0 03:00 pm-04:50 pm 515 (5918)
PHYS 202R Nyandoto GCRE 1.0 05:29 pm-07:20 pm 516 (5919)
PHYS 202T Nyandoto GCRE 1.0 08:00 am-09:50 am 517 (5959)

ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC) TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC) TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.

PHYS 2220
ELECTR & MAGNET

001 (3609) CRE 3.0 MWF 12:00 pm-12:50 pm PHYS 102 Philipose U
MUST COMPLETE PHYS 2240.5XX TO GET LABORATORY SCIENCE CREDIT. MUST ALSO ENROLL IN RECITATION PHYS 2220.201, 202, 203, 204, or 205.

PHYS 2240
ELEC & MAGNET LAB

001 (3610) CRE 1.0 M 09:59 am-11:50 am PHYS 205 Nyandoto G
ONE LAB EXAM MUST BE TAKEN EACH WEEK IN THE PHYSICS INSTRUCTIONAL CENTER (PIC) TESTING CENTER (PHYS 209AA) AFTER COMPLETING THE LAB EXPERIMENT.
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<th>Course Code</th>
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<tr>
<td>PHYS 3010</td>
<td>MODERN PHYSICS</td>
<td>Ordonez C</td>
<td>3.0</td>
<td>11:00 am-12:20 pm</td>
<td>PHYS 115</td>
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<td>0.0</td>
<td>03:00 pm-05:50 pm</td>
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<td>PHYS 3210</td>
<td>MECHANICS I</td>
<td>Perez J</td>
<td>3.0</td>
<td>12:00 pm-12:50 pm</td>
<td>PHYS 112</td>
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<td>PHYS 4210</td>
<td>ELEC &amp; MAGNETISM</td>
<td>Weathers D</td>
<td>3.0</td>
<td>08:00 am-09:00 am</td>
<td>PHYS 115</td>
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<td>PHYS 4600</td>
<td>COMP BASED PHYS</td>
<td>Buongiorno Nard</td>
<td>3.0</td>
<td>09:30 am-10:50 am</td>
<td>GAB 550A</td>
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<td>INTRO MODERN ASTROPHYS</td>
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<td>SPECIAL PROBLEMS</td>
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<td>08:00 am-09:20 am</td>
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<td>SPECIAL PROBLEMS</td>
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<td>08:00 am-09:20 am</td>
<td>PHYS 112</td>
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<td>PHYS 4950</td>
<td>SENIOR THESIS</td>
<td>Rostovtsev Y</td>
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<td>08:00 am-09:20 am</td>
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<td>PHYS 4955</td>
<td>SENIOR THESIS CAPSTONE</td>
<td>Ordonez C</td>
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<td>08:00 am-09:20 am</td>
<td>PHYS 311</td>
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<td>PHYS 5500</td>
<td>QUANTUM MECHANICS I</td>
<td>Weathers D</td>
<td>3.0</td>
<td>08:00 am-09:20 am</td>
<td>PHYS 311</td>
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RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
PHYS 5700  COMPUTATIONAL PHYSICS
001  (14214)  CRE 3.0  TR  09:30 am-10:50 am  GAB 550A  Buongiorno Nard
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 5710  ADV CLSSCL MECH
001  (3683)  CRE 3.0  MWF  08:00 am-08:50 am  PHYS 112  Krokhin A
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 5720  ELECTROMAG THEORY I
001  (3684)  CRE 3.0  TR  09:30 am-10:50 am  PHYS 115  Shiner D
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 5900  SPECIAL PROBLEMS
751  (3685)  CRE V
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 5910  SPECIAL PROBLEMS
700  (4078)  CRE V
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
MULTIPLE SECTIONS OFFERED.

PHYS 5920  PROB LIEU THESIS
002  (3715)  CRE 3.0  Reinert T
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
MULTIPLE SECTIONS OFFERED.

PHYS 5930  PROB LIEU THESIS
001  (4757)  CRE 3.0
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
MULTIPLE SECTIONS OFFERED.

PHYS 5941  COLLOQUIUM
001  (5756)  CRE 1.0  T  03:00 pm-04:50 pm  PHYS 104  Rostovtsev Y
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 5950  THESIS
700  (3718)  CRE V  Philipose U
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
MULTIPLE SECTIONS OFFERED.

PHYS 5980  SPECIAL PROBLEMS
751  (3721)  CRE V
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 5990  SPECIAL PROBLEMS
751  (3722)  CRE V
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 6110  STATISTICAL MECH I
001  (5380)  CRE 3.0  MWF  09:00 am-09:50 am  PHYS 112  Grigolini P
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 6800  SOLID STATE PHYS
001  (5735)  CRE 3.0  F  12:59 pm-03:50 pm  PHYS 311  Neogi A
Course Topic: SELECT TOPICS-SOLID STATE PHYS
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 6900  SPECIAL PROBLEMS
700  (3723)  CRE V
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
MULTIPLE SECTIONS OFFERED.

PHYS 6910  SPECIAL PROBLEMS
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT. MULTIPLE SECTIONS OFFERED.

**PHYS 6940**  INDV RESEARCH

700 (3739)  CRE V

RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT. MULTIPLE SECTIONS OFFERED.

**PHYS 6950**  DISSERTATION

700 (4079)  CRE V

RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT. MULTIPLE SECTIONS OFFERED.