<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Section</th>
<th>Instructor</th>
<th>Time</th>
<th>Location</th>
<th>Notes</th>
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<tbody>
<tr>
<td>PHYS 1052</td>
<td>SOLAR SYSTEM</td>
<td>001</td>
<td>Lukic-Zrnic R</td>
<td>12:59 pm-01:50 pm</td>
<td>ENV 110</td>
<td>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.</td>
</tr>
<tr>
<td>PHYS 1062</td>
<td>STARS &amp; THE UNIV</td>
<td>002</td>
<td>Shemmer O</td>
<td>12:00 pm-12:50 pm</td>
<td>ENV 110</td>
<td>Directions for scheduling laboratory sessions will be given on the first day of class. All laboratories are self-enrolled through Canvas. For lab schedules, lab syllabus, and other lab information go to <a href="http://www.astronomy.unt.edu/labs.htm">http://www.astronomy.unt.edu/labs.htm</a></td>
</tr>
<tr>
<td>PHYS 1210</td>
<td>CONCEPTUAL PHYSICS</td>
<td>001</td>
<td>Lukic-Zrnic R</td>
<td>09:30 am-10:50 am</td>
<td>PHYS 104</td>
<td>Must register for lab to get credit for class.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>002</td>
<td>Lopes V</td>
<td>09:00 am-09:50 am</td>
<td>PHYS 104</td>
<td>Must register for lab to get credit for class.</td>
</tr>
<tr>
<td>PHYS 228M</td>
<td></td>
<td>0501</td>
<td>Nyandoto G</td>
<td>09:59 am-11:50 am</td>
<td>PHYS 228</td>
<td>One lab exam must be taken each week in the physics instructional center (PIC) testing center (PHYS 209AA) after completing the lab experiment.</td>
</tr>
<tr>
<td></td>
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<td>0502</td>
<td>Nyandoto G</td>
<td>03:00 pm-04:50 pm</td>
<td>PHYS 228</td>
<td>One lab exam must be taken each week in the physics instructional center (PIC) testing center (PHYS 209AA) after completing the lab experiment.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0503</td>
<td>Nyandoto G</td>
<td>12:30 pm-02:20 pm</td>
<td>PHYS 228</td>
<td>One lab exam must be taken each week in the physics instructional center (PIC) testing center (PHYS 209AA) after completing the lab experiment.</td>
</tr>
<tr>
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<td>0504</td>
<td>Nyandoto G</td>
<td>09:59 am-11:50 am</td>
<td>PHYS 228</td>
<td>One lab exam must be taken each week in the physics instructional center (PIC) testing center (PHYS 209AA) after completing the lab experiment.</td>
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<tr>
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<td>0506</td>
<td>Nyandoto G</td>
<td>03:00 pm-04:50 pm</td>
<td>PHYS 228</td>
<td>One lab exam must be taken each week in the physics instructional center (PIC) testing center (PHYS 209AA) after completing the lab experiment.</td>
</tr>
<tr>
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<td>0508</td>
<td>Nyandoto G</td>
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<td>PHYS 228</td>
<td>One lab exam must be taken each week in the physics instructional center (PIC) testing center (PHYS 209AA) after completing the lab experiment.</td>
</tr>
<tr>
<td>PHYS 1270</td>
<td>SCI MUSICAL SOUND</td>
<td>001</td>
<td>Khademian A</td>
<td>09:00 am-09:50 am</td>
<td>CURY 204</td>
<td>Must register for lab to get credit for class.</td>
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<td></td>
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<td>002</td>
<td>Khademian A</td>
<td>12:00 pm-12:50 pm</td>
<td>CURY 204</td>
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<td></td>
<td></td>
<td>502</td>
<td>Nyandoto G</td>
<td>02:00 pm-03:50 pm</td>
<td>PHYS 229</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>503</td>
<td>Nyandoto G</td>
<td>09:59 am-11:50 am</td>
<td>PHYS 229</td>
<td></td>
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</table>
MUST COMPLETE PHYS 1430.50x TO GET LABORATORY SCIENCE CREDIT. MUST ALSO ENROLL IN PHYS 1410.201 RECITATION.

MUST COMPLETE PHYS 1440.50x TO GET LABORATORY SCIENCE CREDIT. MUST ALSO ENROLL IN PHYS 1420.201 RECITATION.

HONORS COLLEGE STUDENTS ONLY.

MUST COMPLETE PHYS 1440.50x TO GET LABORATORY SCIENCE CREDIT. MUST ALSO ENROLL IN PHYS 1420.202 RECITATION.

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.

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.

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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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.

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 CENTER HOURS ARE M 10-5, T 10-5, W 10-8, R- 10-8, F 10-4.
<table>
<thead>
<tr>
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<th>Days</th>
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<td>W</td>
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<tr>
<td>03:00 pm-04:50 pm</td>
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<td>R</td>
<td>Chabay R</td>
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<td>09:00 am-09:50 am</td>
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<td>MWF</td>
<td>Roy C</td>
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<td>09:59 am-10:50 am</td>
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<td>3.0</td>
<td>MWF</td>
<td>Philipose U</td>
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<tr>
<td>12:00 pm-01:30 pm</td>
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<td>0.0</td>
<td>F</td>
<td>Roy C</td>
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<td>11:00 am-11:50 am</td>
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<td>12:59 pm-01:50 pm</td>
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<td>Krokhin A</td>
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<td>Time</td>
<td>Location</td>
<td>Instructor</td>
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<td>REC 0.0</td>
<td>TR 12:59 pm-01:50 pm</td>
<td>PHYS 116</td>
<td>Krokhin A</td>
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<td>REC 0.0</td>
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<td>PHYS 112</td>
<td>Philipose U</td>
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<td>212</td>
<td>REC 0.0</td>
<td>MW 12:00 pm-12:50 pm</td>
<td>PHYS 115</td>
<td>Philipose U</td>
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<td>213</td>
<td>REC 0.0</td>
<td>MW 03:00 pm-03:50 pm</td>
<td>PHYS 115</td>
<td>Philipose U</td>
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**PHYS 1730 MECHANICS LAB**

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<tr>
<td>502</td>
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<td>M 12:30 pm-02:50 pm</td>
<td>PHYS 202</td>
<td>Nyandoto G</td>
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<td>CRE 1.0</td>
<td>M 03:00 pm-05:20 pm</td>
<td>PHYS 202</td>
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<tr>
<td>504</td>
<td>CRE 1.0</td>
<td>T 09:59 am-12:20 pm</td>
<td>PHYS 202</td>
<td>Nyandoto G</td>
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<tr>
<td>505</td>
<td>CRE 1.0</td>
<td>W 12:30 pm-02:50 pm</td>
<td>PHYS 202</td>
<td>Nyandoto G</td>
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<tr>
<td>507</td>
<td>CRE 1.0</td>
<td>W 03:00 pm-05:20 pm</td>
<td>PHYS 202</td>
<td>Nyandoto G</td>
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<tr>
<td>509</td>
<td>CRE 1.0</td>
<td>W 03:00 pm-05:20 pm</td>
<td>PHYS 202</td>
<td>Nyandoto G</td>
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<tr>
<td>510</td>
<td>CRE 1.0</td>
<td>R 12:30 pm-02:50 pm</td>
<td>PHYS 202</td>
<td>Nyandoto G</td>
</tr>
<tr>
<td>512</td>
<td>CRE 1.0</td>
<td>M 05:29 pm-07:50 pm</td>
<td>PHYS 202</td>
<td>Nyandoto G</td>
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<tr>
<td>513</td>
<td>CRE 1.0</td>
<td>W 03:00 pm-05:20 pm</td>
<td>PHYS 202</td>
<td>Nyandoto G</td>
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**PHYS 2220 ELECTR & MAGNET**

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<tr>
<td>001</td>
<td>CRE 3.0</td>
<td>TR 09:30 am-10:50 am</td>
<td>PHYS 102</td>
<td>Lin Y</td>
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<tr>
<td>002</td>
<td>CRE 3.0</td>
<td>MWF 09:59 am-10:50 am</td>
<td>PHYS 102</td>
<td>Perez J</td>
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<td>003</td>
<td>CRE 3.0</td>
<td>MWF 12:59 pm-01:50 pm</td>
<td>PHYS 102</td>
<td>Perez J</td>
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</tbody>
</table>

MUST COMPLETE PHYS 2240.50X TO GET LABORATORY SCIENCE CREDIT. MUST ALSO ENROLL IN PHYS 2220.201, .202, .203, .204 OR .205 RECITATION. WILL HAVE COMMON TEST DATES 2/14, 3/13 and 4/17/20.

Also meets: F 03:59 pm-05:50 pm PHYS 102 2/14/20-2/14/20
Also meets: F 03:59 pm-05:50 pm PHYS 102 3/20/20-3/20/20
Also meets: F 03:59 pm-05:50 pm PHYS 102 4/17/20-4/17/20
MUST COMPLETE PHYS 2240.50X TO GET LABORATORY SCIENCE CREDIT. MUST ALSO ENROLL IN PHYS 2220.216 RECITATION. WILL HAVE COMMON TEST DATES 2/14, 3/13 AND 4/17/20.

Also meets: F  03:59 pm-05:50 pm CURY 103 2/14/20-2/14/20
Also meets: F  03:59 pm-05:50 pm CURY 103 3/20/20-3/20/20
Also meets: F  03:59 pm-05:50 pm CURY 103 4/17/20-4/17/20

PHYS 2240  ELEC & MAGNET LAB

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

502 (10597) CRE 1.0  M 12:30 pm-02:50 pm PHYS 205  Nyandoto G
503 (10598) CRE 1.0  M 03:00 pm-05:20 pm PHYS 205  Nyandoto G
504 (10599) CRE 1.0  T  09:59 am-12:20 pm PHYS 205  Nyandoto G
505 (10638) CRE 1.0  T  12:30 pm-02:50 pm PHYS 205  Nyandoto G
506 (10639) CRE 1.0  W  09:59 am-12:20 pm PHYS 205  Nyandoto G
507 (10640) CRE 1.0  W  12:30 pm-02:50 pm PHYS 205  Nyandoto G
508 (10641) CRE 1.0  W  03:00 pm-05:20 pm PHYS 205  Nyandoto G
509 (10642) CRE 1.0  W  05:29 pm-07:50 pm PHYS 205  Nyandoto G
511 (10644) CRE 1.0  R  12:30 pm-02:50 pm PHYS 205  Nyandoto G
512 (10645) CRE 1.0  R  03:00 pm-05:20 pm PHYS 205  Nyandoto G
513 (10646) CRE 1.0  R  05:29 pm-07:50 pm 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.

PHYS 205M Nyandoto GCRE 1.0 05:29 pm-07:50 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 2900 SPECIAL PROBLEMS

752 (8901) CRE V
REstricted course. Approval required. Contact department.
Grigolini P

755 (10238) CRE V
REstricted course. Approval required. Contact department.
Philipose U

761 (8902) CRE V
REstricted course. Approval required. Contact department.
Quintanilla S

762 (10476) CRE V
REstricted course. Approval required. Contact department.
Glass G

763 (8903) CRE V
REstricted course. Approval required. Contact department.
Roberts J

765 (8904) CRE V
REstricted course. Approval required. Contact department.
Krokhin A

768 (10689) CRE V
REstricted course. Approval required. Contact department.
Lopes V

769 (10690) CRE V
REstricted course. Approval required. Contact department.
Buongiorno Nard

770 (8905) CRE V
REstricted course. Approval required. Contact department.
Neogi A

771 (8906) CRE V
REstricted course. Approval required. Contact department.
Littler C

772 (8907) CRE V
REstricted course. Approval required. Contact department.
Drachev V

773 (8908) CRE V
REstricted course. Approval required. Contact department.
Perez J

774 (10239) CRE V
REstricted course. Approval required. Contact department.
Rostovtsev Y

776 (8909) CRE V
REstricted course. Approval required. Contact department.
Weathers D

777 (8910) CRE V
REstricted course. Approval required. Contact department.
Shiner D

778 (9974) CRE V
REstricted course. Approval required. Contact department.
Rout B

779 (8911) CRE V
REstricted course. Approval required. Contact department.
Ordonez C

780 (10240) CRE V
REstricted course. Approval required. Contact department.
Shemmer O

PHYS 2910 SPECIAL PROBLEMS

105 (9972) CRE V
Course Topic: SOLAR SYSTEMS OBSERVATIONS LAB
REstricted course. Approval required. Contact department.
Littler C

106 (9973) CRE V
Course Topic: STARS AND THE UNIVERSE LAB
REstricted course. Approval required. Contact department.
Littler C

121 (13314) CRE V
REstricted course. Approval required. Contact department.
Lopes V

422 (13361) CRE V
REstricted course. Approval required. Contact department.
Rostovtsev Y

700 (8912) CRE V
REstricted course. Approval required. Contact department.
Lin Y
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
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<th>Credits</th>
<th>Time</th>
<th>Instructor</th>
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<tr>
<td>PHYS 3010</td>
<td>MODERN PHYSICS</td>
<td>001</td>
<td>3.0</td>
<td>08:00 am-09:20 am</td>
<td>Lopes V</td>
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<td>MUST COMPLETE PHYS 3030.501 TO GET LABORATORY SCIENCE CREDIT. MUST ENROLL IN PHYS 3010.201 RECITATION.</td>
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<tr>
<td>PHYS 3030</td>
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<td>ELECTRONICS</td>
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<td>1.0</td>
<td>11:00 am-11:50 am</td>
<td>Drachev V</td>
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<td>PHYS 3510</td>
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<td>PHYS 4110</td>
<td>STAT &amp; THERMAL PHYS</td>
<td>001</td>
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<td>08:00 am-08:50 am</td>
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<td>11:00 am-11:50 am</td>
<td>Ordonez C</td>
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<td>Course Code</td>
<td>Course Title</td>
<td>Section</td>
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<td>QUANTUM MECHANICS</td>
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<td>3.0</td>
<td>MWF</td>
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PHYS 4950    SENIOR THESIS

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002 (8946) CRE 3.0
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

003 (8947) CRE 3.0
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

004 (8948) CRE 3.0
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

005 (9334) CRE 3.0
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

006 (9335) CRE 3.0
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

007 (10657) CRE 3.0
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

008 (10715) CRE 3.0
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

009 (10832) CRE 3.0
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

010 (10999) CRE 3.0
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
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Other courses and instructors are not included due to the restriction of the course.
Neogi ACRE V770 (8954)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Littler CCRE V771 (8955)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Drachev VCRE V772 (8956)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Perez JCRE V773 (10708)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Rostovtsev YCRE V774 (10250)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Weathers DCRE V776 (8957)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Shiner DCRE V777 (8958)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Rout BCRE V778 (9838)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Ordonez CRE V779 (8959)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Shemmer OCRE V780 (10077)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Syllaios ACRE V781 (13461)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  

PHYS 5910  SPECIAL PROBLEMS  
Grigolini PCRE V752 (8960)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Philipose UCRE V755 (10251)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Lin YCRE V759 (8961)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Quintanilla SCRE V761 (8962)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Glass GCRE V762 (10481)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Chabay RCRE V763 (8963)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Krokkin CRE V765 (8964)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Brostow WCRE V766 (10697)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Buongiorno NardiCRE V769 (10698)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
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Littler CRE V771 (8966)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
Drachev CRE V772 (8967)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
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Rostovtsev YCRE V774 (10252)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
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Shiner CRE V777 (8970)  RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.  
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RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

Course Topic: GENERAL RELATIVITY
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**PHYS 6940**   
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RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

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