**PHYS 1052  SOLAR SYSTEM**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>4394</td>
<td>CRE</td>
<td>TR</td>
<td>12:30 pm-01:50 pm</td>
<td>ENV 110</td>
<td>Bennett R</td>
</tr>
</tbody>
</table>

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 [HTTP://WWW.ASTRONOMY.UNT.EDU/LABS.HTM](HTTP://WWW.ASTRONOMY.UNT.EDU/LABS.HTM)

**PHYS 1062  STARS & THE UNIV**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>4393</td>
<td>CRE</td>
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<td>11:00 am-12:20 pm</td>
<td>ENV 130</td>
<td>Lukic-Zrnic R</td>
</tr>
</tbody>
</table>

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 [HTTP://WWW.ASTRONOMY.UNT.EDU/LABS.HTM](HTTP://WWW.ASTRONOMY.UNT.EDU/LABS.HTM)

Laboratory exercises must be completed as part of the course.

**PHYS 1210  CONCEPTUAL PHYSICS**

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Days</th>
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<tbody>
<tr>
<td>3887</td>
<td>CRE</td>
<td>TR</td>
<td>09:30 am-10:50 am</td>
<td>PHYS 104</td>
<td>Lopes V</td>
</tr>
</tbody>
</table>

MUST REGISTER FOR THE LAB TO GET CREDIT FOR CLASS.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>3286</td>
<td>CRE</td>
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<td>09:59 am-10:50 am</td>
<td>PHYS 104</td>
<td>Lopes V</td>
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</table>

MUST REGISTER FOR THE LAB TO GET CREDIT FOR CLASS.

**PHYS 1270  SCI MUSICAL SOUND**

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<tbody>
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<td>4392</td>
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<td>09:00 am-09:50 am</td>
<td>ENV 110</td>
<td>Khademian A</td>
</tr>
</tbody>
</table>

MUST REGISTER FOR LAB TO GET CREDIT FOR CLASS. Laboratory exercises must be completed as part of the course.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
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<th>Instructor</th>
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<tbody>
<tr>
<td>13244</td>
<td>CRE</td>
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<td>12:00 pm-12:50 pm</td>
<td>ENV 110</td>
<td>Khademian A</td>
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MUST REGISTER FOR LAB TO GET CREDIT FOR CLASS. Laboratory exercises must be completed as part of the course.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Meeting Time</th>
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<th>Instructor</th>
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<tbody>
<tr>
<td>PHYS 1410</td>
<td>GEN PHYSICS I</td>
<td></td>
<td></td>
<td>Nyandoto G</td>
</tr>
<tr>
<td>PHYS 1420</td>
<td>GEN PHYSICS II</td>
<td></td>
<td></td>
<td>Lukic-Zrnic R</td>
</tr>
<tr>
<td>PHYS 1430</td>
<td>GEN PHYSIC LAB I</td>
<td></td>
<td></td>
<td>Nyandoto G</td>
</tr>
<tr>
<td>PHYS 1440</td>
<td>GEN PHYSIC LAB II</td>
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<td></td>
<td>Nyandoto G</td>
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</table>

**HONORS COLLEGE ENROLLMENT ONLY.**

MUST ALSO ENROLL IN RECITATION PHYS 1410.201 AND MUST COMPLETE PHYS 1430.5XX TO GET LABORATORY SCIENCE CREDIT.

**HONORS COLLEGE STUDENTS ONLY.**

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

**MUST COMPLETE PHYS 1430.50X TO GET LABORATORY SCIENCE CREDIT.**

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

**MUST COMPLETE PHYS 1440.50X TO GET LABORATORY SCIENCE CREDIT. MUST ALSO ENROLL IN PHYS 1420.201 RECITATION.**
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Section</th>
<th>Type</th>
<th>Start</th>
<th>End</th>
<th>Instructor</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>PHYS 1510</td>
<td>GEN PHYS I W/ CALC</td>
<td>001</td>
<td>CRE 3.0 TR</td>
<td>11:00 am-12:20 pm</td>
<td>SAGE 356</td>
<td>Lopes V</td>
<td>Must complete PHYS 1530.501 or 502 to get laboratory science credit. Must also enroll in PHYS 1510.201 recitation.</td>
</tr>
<tr>
<td>PHYS 1520</td>
<td>GEN PHYS II W/ CALC</td>
<td>001</td>
<td>CRE 3.0 TR</td>
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<td>PHYS 112</td>
<td></td>
<td></td>
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<tr>
<td>PHYS 1530</td>
<td>LAB GEN PHYS W/ CALC I</td>
<td>501</td>
<td>CRE 1.0 W</td>
<td>12:59 pm-02:50 pm</td>
<td>PHYS 204</td>
<td>Lopes V</td>
<td></td>
</tr>
<tr>
<td>PHYS 1540</td>
<td>LAB GEN PHYS W/ CALC II</td>
<td>501</td>
<td>CRE 1.0 T</td>
<td>12:00 pm-01:50 pm</td>
<td>PHYS 204</td>
<td></td>
<td></td>
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<tr>
<td>PHYS 1710</td>
<td>MECHANICS</td>
<td>001</td>
<td>CRE 3.0 MWF</td>
<td>09:00 am-09:50 am</td>
<td>PHYS 102</td>
<td>Lin Y</td>
<td>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. Also meets: F 03:59 pm-05:50 pm SAGE 116 9/17/21-9/17/21 Also meets: F 03:59 pm-05:50 pm SAGE 116 10/15/21-10/15/21 Also meets: F 03:59 pm-05:50 pm SAGE 116 11/12/21-11/12/21</td>
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<tr>
<td>PHYS 1710</td>
<td>MECHANICS</td>
<td>002</td>
<td>CRE 3.0 TR</td>
<td>09:30 am-10:50 am</td>
<td>PHYS 102</td>
<td></td>
<td>Must complete PHYS 1730.5XX to get lab science credit. Must also enroll in PHYS 1710, 206, 207, 208, 209, or 210. Also meets: F 03:59 pm-05:50 pm ART 223 9/17/21-9/17/21 Also meets: F 03:59 pm-05:50 pm ART 223 10/15/21-10/15/21 Also meets: F 03:59 pm-05:50 pm ART 223 11/12/21-11/12/21</td>
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<tr>
<td>PHYS 1710</td>
<td>MECHANICS</td>
<td>003</td>
<td>CRE 3.0 MWF</td>
<td>12:59 pm-01:50 pm</td>
<td>PHYS 104</td>
<td>Rostovtsev Y</td>
<td>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, 213, or 216. Also meets: F 03:59 pm-05:50 pm PHYS 104 9/17/21-9/17/21 Also meets: F 03:59 pm-05:50 pm PHYS 104 10/15/21-10/15/21 Also meets: F 03:59 pm-05:50 pm PHYS 104 11/12/21-11/12/21</td>
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<tr>
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<td>MECHANICS</td>
<td>004</td>
<td>CRE 3.0 MWF</td>
<td>09:59 am-10:50 am</td>
<td>PHYS 102</td>
<td>Perez J</td>
<td>Must complete PHYS 1730.5XX to get laboratory science credit. Tests will be given on also meets' dates. Must also enroll in recitation PHYS 1710.214, 217, 218, or 219. Also meets: F 03:59 pm-05:50 pm PHYS 102 9/17/21-9/17/21 Also meets: F 03:59 pm-05:50 pm PHYS 102 10/15/21-10/15/21 Also meets: F 03:59 pm-05:50 pm PHYS 102 11/12/21-11/12/21</td>
</tr>
<tr>
<td>PHYS 1710</td>
<td>MECHANICS</td>
<td>005</td>
<td>CRE 3.0 MWF</td>
<td>11:00 am-11:50 am</td>
<td>PHYS 102</td>
<td>Perez J</td>
<td>Must complete PHYS 1730.5XX to get lab science credit. Must also enroll in PHYS 1710.221, 222, 223, 224, or 225. Also meets: F 03:59 pm-05:50 pm ENV 130 9/17/21-9/17/21 Also meets: F 03:59 pm-05:50 pm ENV 130 10/15/21-10/15/21 Also meets: F 03:59 pm-05:50 pm ENV 130 11/12/21-11/12/21</td>
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<tr>
<td>PHYS 115</td>
<td></td>
<td>201</td>
<td>REC 0.0 MW</td>
<td>09:59 am-10:50 am</td>
<td>PHYS 115</td>
<td>Lin Y</td>
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<tr>
<td>PHYS 116</td>
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<td>202</td>
<td>REC 0.0 MW</td>
<td>11:00 am-11:50 am</td>
<td>PHYS 116</td>
<td>Lin Y</td>
<td></td>
</tr>
<tr>
<td>PHYS 115</td>
<td></td>
<td>203</td>
<td>REC 0.0 MW</td>
<td>11:00 am-11:50 am</td>
<td>PHYS 115</td>
<td>Lin Y</td>
<td></td>
</tr>
</tbody>
</table>
Phy 116 MW Lin Y REC 0.0 03:59 pm-04:50 pm PHYS 116 Lin Y
Phy 116 WF Lin Y REC 0.0 09:59 am-10:50 am PHYS 116 Lin Y
Phy 116 TR REC 0.0 11:00 am-11:50 am PHYS 116
Phy 116 TR REC 0.0 12:00 pm-12:50 pm PHYS 116

This section is restricted to TAMS students.

Phy 115 TR REC 0.0 02:29 pm-03:20 pm PHYS 115
Phy 104 MW Rostovtsev Y REC 0.0 02:00 pm-02:50 pm PHYS 104 Rostovtsev Y
Phy 116 WF Rostovtsev Y REC 0.0 12:00 pm-12:50 pm PHYS 116 Rostovtsev Y
Phy 116 TR REC 0.0 12:59 pm-01:50 pm PHYS 116 Rostovtsev Y
Phy 116 MW Perez J REC 0.0 02:00 pm-02:50 pm PHYS 116 Perez J
Phy 115 MW Perez J REC 0.0 12:59 pm-01:50 pm PHYS 115 Perez J
Phy 116 MW Perez J REC 0.0 02:00 pm-02:50 pm PHYS 116 Perez J
Phy 116 WF Perez J REC 0.0 03:00 pm-03:50 pm PHYS 116 Perez J
Phy 311 MF Perez J REC 0.0 03:00 pm-03:50 pm PHYS 311 Perez J
Phy 311 MW Perez J REC 0.0 09:00 am-09:50 am PHYS 311 Perez J
Phy 311 WF Perez J REC 0.0 12:00 pm-12:50 pm PHYS 311 Perez J

Phys 1730 MECHANICS LAB
501 (3299) CRE 1.0 M 09:59 am-12:20 pm PHYS 202 Nyandoto G
502 (5340) CRE 1.0 M 12:30 pm-02:50 pm PHYS 202 Nyandoto G
503 (5348) CRE 1.0 M 03:00 pm-05:20 pm PHYS 202 Nyandoto G
504 (5349) CRE 1.0 M 05:29 pm-07:50 pm PHYS 202 Nyandoto G
505 (5350) CRE 1.0 T 09:59 am-12:20 pm PHYS 202 Nyandoto G
506 (5351) CRE 1.0 T 12:30 pm-02:50 pm PHYS 202 Nyandoto G
507 (5353) CRE 1.0 T 05:29 pm-07:50 pm PHYS 202 Nyandoto G
508 (5354) CRE 1.0 W 09:59 am-12:20 pm PHYS 202 Nyandoto G
510 (5359) CRE 1.0 W 12:30 pm-02:50 pm PHYS 202 Nyandoto G
511 (5358) CRE 1.0 W 03:00 pm-05:20 pm PHYS 202 Nyandoto G
512 (5360) CRE 1.0 W 05:29 pm-07:50 pm PHYS 202 Nyandoto G
513 (5362) CRE 1.0 R 09:59 am-12:20 pm PHYS 202 Nyandoto G
514 (5363) CRE 1.0 R 12:30 pm-02:50 pm PHYS 202 Nyandoto G
515 (5364) CRE 1.0 R 03:00 pm-05:20 pm PHYS 202 Nyandoto G
516 (5365) CRE 1.0 R 05:29 pm-07:50 pm PHYS 202 Nyandoto G
519 (5555) CRE 1.0 T 03:00 pm-05:20 pm PHYS 202 Nyandoto G

Phys 2220 ELECTR & MAGNET
001 (3300) CRE 3.0 MWF 12:00 pm-12:50 pm PHYS 102 Philippose U
MUST COMPLETE PHYS 2240.5XX TO GET LABORATORY SCIENCE CREDIT. MUST ALSO ENROLL IN RECITATION PHYS 2220.201, 202, 203, 204, or 205.
Also meets: F 03:59 pm-05:50 pm BLB 180 9/17/21-9/17/21
Also meets: F 03:59 pm-05:50 pm BLB 180 10/15/21-10/15/21
Also meets: F 03:59 pm-05:50 pm GAB 105 11/12/21-11/12/21

002 (5530) CRE 3.0 TR 08:00 am-09:20 am PHYS 102 Drachev V
MUST COMPLETE PHYS 2240.5XX TO GET LABORATORY SCIENCE CREDIT. MUST ALSO ENROLL IN RECITATION PHYS 2220.206, 207, 208, 209, OR 210.
Also meets: F 03:59 pm-05:50 pm GAB 104 9/17/21-9/17/21
Also meets: F 03:59 pm-05:50 pm GAB 104 10/15/21-10/15/21
Also meets: F 03:59 pm-05:50 pm GAB 104 11/12/21-11/12/21

201 (5311) REC 0.0 MW 03:59 pm-04:50 pm PHYS 311 Philippose U
202 (5312) REC 0.0 WF 12:59 pm-01:50 pm PHYS 311 Philippose U
203 (13299) REC 0.0 TR 11:29 am-12:20 pm PHYS 311 Philippose U
PHYS 2240  ELEC & MAGNET LAB
502 (5341)  CRE 1.0  T  09:59 am-12:20 pm  PHYS 205  Nyandoto G
503 (5342)  CRE 1.0  T  12:30 pm-02:50 pm  PHYS 205  Nyandoto G
504 (5343)  CRE 1.0  W  03:00 pm-05:20 pm  PHYS 205  Nyandoto G
505 (5344)  CRE 1.0  W  05:29 pm-07:50 pm  PHYS 205  Nyandoto G
506 (5345)  CRE 1.0  R  09:59 am-12:20 pm  PHYS 205  Nyandoto G
507 (5346)  CRE 1.0  R  03:00 pm-05:20 pm  PHYS 205  Nyandoto G
508 (5347)  CRE 1.0  R  05:29 pm-07:50 pm  PHYS 205  Nyandoto G
509 (5533)  CRE 1.0  M  12:30 pm-02:50 pm  PHYS 205  Nyandoto G
510 (13559) CRE 1.0  M  03:00 pm-05:20 pm  PHYS 205  Nyandoto G
511 (13560) CRE 1.0  W  09:59 am-12:20 pm  PHYS 205  Nyandoto G

PHYS 2900  SPECIAL PROBLEMS
700 (3302)  CRE V  Neogi A
  RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 3010  MODERN PHYSICS
001 (3328)  CRE 3.0  TR  11:00 am-12:20 pm  PHYS 115  Weathers D
  MUST COMPLETE PHYS 3030.501 TO GET LABORATORY SCIENCE CREDIT. MUST ENROLL IN PHYS 3010.201 RECITATION.
201 (3329)  REC 0.0  TR  12:30 pm-01:20 pm  PHYS 115  Weathers D

PHYS 3030  MODERN PHYSICS LAB
501 (3330)  CRE 1.0  R  03:00 pm-05:50 pm  PHYS 208  Cui J
502 (17127) CRE 1.0  T  03:00 pm-05:50 pm  PHYS 208  Cui J
503 (17128) CRE 1.0  W  03:00 pm-05:50 pm  PHYS 208  Cui J

PHYS 3210  MECHANICS I
001 (4756)  CRE 3.0  MWF  12:59 pm-01:50 pm  PHYS 112  Weathers D
  MUST ENROLL IN PHYS 3210.201 RECITATION.
201 (4757)  REC 0.0  W  02:00 pm-03:50 pm  PHYS 112  Weathers D

PHYS 3220  MECHANICS II
001 (14199) CRE 3.0  MWF  08:00 am-08:50 am  PHYS 112  Shiner D
201 (16038) REC 0.0  M  03:00 pm-03:50 pm  PHYS 112  Shiner D

PHYS 3310  MATH METH IN PHYS
001 (3693)  CRE 3.0  MWF  11:00 am-11:50 am  PHYS 112  Grigolini P
  MUST ENROLL IN PHYS 3310.201 RECITATION.
201 (3694)  REC 0.0  MF  02:00 pm-02:50 pm  PHYS 112  Grigolini P

PHYS 3510  PHYS 3510
001 (18549) CRE 3.0  TR  09:30 am-10:50 am  GAB 550A  Ordonez C

PHYS 4210  ELEC & MAGNETISM
001 (4999)  CRE 3.0  MWF  09:00 am-09:50 am  PHYS 115  Drachev V
  MUST ENROLL IN PHYS 4210.201 RECITATION.
201 (5000)  REC 0.0  M  03:00 pm-03:50 pm  PHYS 116  Drachev V

PHYS 4600  COMP BASED PHYS
001 (12689) CRE 3.0  TR  09:30 am-10:50 am  PHYS 204  Buongiorno Nard

PHYS 4910  SPECIAL PROBLEMS
PHYS 4950  SENIOR THESIS
700 (3356)  CRE 3.0
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 4955  SENIOR THESIS CAPSTONE
700 (5249)  CRE 3.0
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 5500  QUANTUM MECHAN 1
001 (3360)  CRE 3.0 TR  08:00 am-09:20 am PHYS 311
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 5700  COMPUTATIONAL PHYSICS
001 (12690)  CRE 3.0 TR  09:30 am-10:50 am PHYS 204
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 5710  ADV CLSSCL MECH
001 (3361)  CRE 3.0 MWF  08:00 am-08:50 am PHYS 112
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 5720  ELECTROMAG THEORY I
001 (3362)  CRE 3.0 TR  09:30 am-10:50 am PHYS 115
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 5750  TOPICS MATRL PHYS
001 (18547)  CRE 3.0 MWF  09:59 am-10:50 am PHYS 311

PHYS 5930  PROB LIEU THESIS
001 (4334)  CRE 3.0
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 5941  COLLOQUIUM
001 (5232)  CRE 1.0 T  03:00 pm-04:50 pm PHYS 104
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 5950  THESIS
700 (3392)  CRE V
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 6110  STATISTICAL MECH I
001 (4894)  CRE 3.0 MWF  09:00 am-09:50 am PHYS 112
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 6940  INDV RESEARCH
700 (3691)  CRE V
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

PHYS 6950  DISSERTATION
700 (3692)  CRE V
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.