### PHYSICS
#### PHYS1025  Astronomy - Laboratory
Laboratory Schedule

**Lecture Text:** Zeilik; *Astronomy: The Evolving Universe, 9th Ed.

**Lab Text:** *FDU Astronomy Laboratory Manual*

**Lab Course Coordinator:** Dr. David Flory

<table>
<thead>
<tr>
<th>WEEK</th>
<th>DATE</th>
<th>EXPERIMENT</th>
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<tbody>
<tr>
<td>1</td>
<td>9/8</td>
<td>Introduction: Film, &quot;POWERS OF TEN&quot;</td>
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<tr>
<td>2</td>
<td>9/15</td>
<td>Coordinate Systems (CS)</td>
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<tr>
<td>3</td>
<td>9/22</td>
<td>Coordinate Systems (CS)</td>
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<tr>
<td>4</td>
<td>9/29</td>
<td>Coordinate Systems (CS)</td>
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<tr>
<td>5</td>
<td>10/6</td>
<td>The Orbit of Mercury and Kepler's Laws (OM)</td>
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<tr>
<td>6</td>
<td>10/13</td>
<td>The Orbit of Mercury and Kepler's Laws (OM)</td>
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<td>7</td>
<td>10/20</td>
<td>Optics-Reflection and Refraction (O)</td>
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<td>8</td>
<td>10/27</td>
<td>Optics - Reflection and Refraction (O)</td>
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<td>9</td>
<td>11/3</td>
<td>Optics – Thin Lenses (O)</td>
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<td>10</td>
<td>11/10</td>
<td>Optics - Thin Lenses and Telescopes (O)</td>
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<td>11</td>
<td>11/17</td>
<td>Analysis of Spectra (SA)</td>
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<td>12</td>
<td>11/24</td>
<td>Make-up Lab</td>
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<td>11/25 – 29</td>
<td>Thanksgiving Recess</td>
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<td>13</td>
<td>12/1</td>
<td>The Hertzsprung – Russell Diagram (HRD)</td>
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<td>14</td>
<td>12/8</td>
<td>Distance Measurements (DM)</td>
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<td>15</td>
<td>12/15</td>
<td>Reading and Study Day</td>
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<td></td>
<td>12/22</td>
<td><strong>FINAL EXAM - LAB DOES NOT MEET</strong></td>
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**NOTE:** Any deviation form the above schedule must be approved by the Laboratory Course Coordinator. THERE WILL BE NO MAKE-UP PERIOD AT THE END OF THE SEMESTER.