

Weekly Schedules  
 PHYS164-Spring Semester 2015  
 Lecturer: Hiro Shimoyama

Week \ Day	Monday	Wednesday	Friday
<b>Week 1</b> January 13-15	No Class	<u>CH-2</u> Kinematic equations	<u>CH-2</u> Free Falling motions
<b>Week 2</b> January 19-23	<u>CH-2</u> Graphical analysis of motions	<u>CH-2 &amp; CH-3</u> <b>In class assignment 1 (CH-2)</b>	<u>Laboratory 1</u> <b>Free fall</b>
<b>Week 3</b> January 26-30	<u>CH-3</u> Vectors	<u>CH-3</u> Vectors	<u>CH-3</u> Projectile motion
<b>Week 4</b> February 2-6	<u>CH-3</u> <b>In class assignment 2 (CH-3)</b>	<u>Laboratory 2</u> <b>Projectile motion</b>	<u>CH-4</u> Newton's laws, free body diagram
<b>Week 5</b> February 9-13	<b>Exam 1 (CH-2 &amp; CH-3)</b>	<u>CH-4</u> Problems using Newton's laws and free body diagrams	<u>Laboratory 3</u> <b>Balance of forces</b>

<b>Week 6</b> February 16-20	Make up	<u>CH-4</u> Frictional force Inclined plane	CH-4 <b>In class assignment 3 (CH-4)</b>
<b>Week 7</b> February 23-27	<u>Laboratory 4</u> <b>Coefficient of static friction</b>	<u>CH-5</u> Circular motion, banked curve	BREAK
<b>Week 8</b> March 2-6	<u>CH-5</u> Universal gravitation, satellites	<u>CH-5</u> <b>In class assignment 4 (CH-5)</b>	<u>Laboratory 5</u> <b>Uniform Circular motion</b>
<b>Week 9</b> March 9-13	<u>CH-6</u> Work, work-energy principle, Potential energy	<u>CH-6</u> conservative, non-conservative force, work-energy principle, power	Problem solving (CH-6) <b>In class assignment 5 (CH-6)</b>
<b>Week 10</b> March 16-20	<b>Exam 2 (CH-4, CH-5, &amp; CH-6)</b>	<u>CH-7</u> Linear momentum, elastic and inelastic collisions, Impulse	<u>CH-7</u> The related topics
<b>Week 11</b> March 23-27	Make up	<u>CH-7</u> <b>In class assignment 6 (CH-7)</b>	CH-8 Angular velocity, angular acceleration, kinematic equations
<b>Week 12</b> March 30-April 3	<u>Laboratory 6</u> <b>Conservation of linear momentum</b>	<u>CH-13</u> Temperature, Thermal expansion	Good Friday Holiday
<b>Week 13</b> April 6-10	Easter Holiday	<u>CH-14</u>	<u>CH-14</u> <b>In class assignment 7 (CH-14)</b>
<b>Week 14</b> April 13-17	<b>Exam 3 (CH-7, CH-8, CH-13 &amp; CH-14)</b>	Review	Make up