

Schedule for 8.01S, Fall, 2006

Gym	Weight Room	Track	Pool
Gymnastics practice area, 2nd floor, Daper	Cardio and weight facility, 2nd floor, Z Center	Outdoor Track (weather permitting) or indoor track above ice rink	Z Center Pool

Time	Monday	Wednesday	Friday
09:00–10:30	ESG Classroom 36-620: Lecture	ESG Classroom 24-620: Lecture	Labs are held in various athletic facilities (see schedule).
10:30–11:00	ESG Classroom 36-620: Problem Solving Session	ESG Classroom 24-620: Problem Solving Session	
13:00–15:00		PE Classes are held at various athletic facilities (see schedule)	

wk	Monday	Wednesday	Friday
September			
1	<u>4</u> Labor Day	<u>6</u> Intro to sports physics Physical Education: Gym Basics	<u>8</u> Gym Lab 1 Experimental method, data collection, & errors
2	<u>11</u> Due: Problem Set 1 Vectors and static equilibrium	<u>13</u> Due: Lab 1 Force & torque PE: Mountain Climbing basics	<u>15</u> Gym L2: Climbing, ropes, & vectors
3	<u>18</u> Due: PS2 Kinematics & linear motion	<u>20</u> Due: L2 Projectile motion PE: Intro to weight training	<u>22</u> Weight Room L3: Statics, muscles, stress & straining

wk	Monday	Wednesday	Friday
4	<u>25</u> <i>Holiday</i>	<u>27</u> Due: PS3, L3 Newton's laws of motion	<u>29</u> Track L4: Fast starts and acceleration
		PE: Basics of starting and running	
October			
5	<u>2</u> Due: PS4 Linear dynamics & test review	<u>4</u> TEST 1 Fundamentals, kinematics, Newton's laws	<u>6</u> <i>Add Date</i> Gym L5: Dynamics
		PE: Gymnastics	
6	<u>9</u> <i>Columbus Day</i>	<u>11</u> Due: L4, L5 Circular Motion	<u>13</u> Track L6: Hammer throw & Newton
		PE: Hammer throw	
7	<u>16</u> Due: PS5 Work & energy	<u>18</u> Due: L6 Conservation & friction	<u>20</u> Gym L7: Work & a working heart
		PE: Gymnastics	
8	<u>23</u> Due: PS6 Harmonic motion	<u>25</u> Due: L7 Momentum & impulse	<u>27</u> Gym L8: Harmonics & Trampolines
		PE: Gymnastics	
9	<u>30</u> TEST 2 Circular motion, harmonics, work & energy, conservation of energy		
November			
9		<u>1</u> Due: L8 Conservation of momentum & collisions	<u>3</u> Pool L9: Momentum & diving
		PE: Basics of platform diving	

wk	Monday	Wednesday	Friday
10	<u>6</u> Due: PS7 Rotational dynamics	<u>8</u> Due: L9 Rotational energy PE: Gymnastics	<u>10</u> Veterans Day
11	<u>13</u> Due: PS8 Angular momentum	<u>15</u> Review PE: Gymnastics	<u>17</u> Gym L10: Angular momentum & Spins
12	<u>20</u> TEST 3 Momentum and rotational motion	<u>22</u> Drop Date Gas Laws <i>No afternoon PE class.</i>	<u>24</u> Thanksgiving
13	<u>27</u> Due: PS9 Meet @ Z Center Media Room Gas Laws as they pertain to SCUBA	<u>29</u> Due: L10 Meet @ Pool SCUBA Intro PE: SCUBA	
December			
13			<u>1</u> Pool L11: SCUBA lab
14	<u>4</u> Due: PS10 Thermodynamics	<u>6</u> Due: L11 Temperature and heat capacity PE: Gymnastics	<u>8</u> Gym Physics triathlon
15	<u>11</u> Gyroscopes	<u>13</u> Final Review <i>No Afternoon PE Class</i>	<u>15</u> No class
16	<u>18</u> Finals Week	<u>20</u> Finals Week	<u>22</u> Finals Week