**IB Physics**

Chapter 9 Syllabus

Statics

|  |  |  |  |
| --- | --- | --- | --- |
| B/A | In Class: | Due on this class:  | If you miss this class: |
| 1Apr3/4 | -Translational Equilibrium-1 unknown-2 unknowns (matrices!!!) |  | **Read:** 9-1 through ex 9-2**Watch:** Videos A, B, C |
| 2Apr5/6 | -Equilibrium Lab on the force table-Torsional Equilibrium | **Check:** P9.1 #1, 2, 6, 7**Turn In:** 9.1 | **Read:** 9-1, 9-2 through example 9-5**Watch:** Videos D |
| 3Apr7/10 | -Center of mass-Geometric solids-Irregular solids-Points - The Seesaw equation-Stability | **Check:** P9.2 #21, 22, 26, 27 | **Read:** 9-4**Watch:** Videos E |
| 4Apr11/12 | -Torsional and Translational Equilibrium | **Check:** P9.2 #8, 9, 10, 14**Turn In:** P9.2 | **Read:** Example 9-6**Watch:** Videos F |
| 5Apr13/17 | -More Torsional and Translational Equilibrium-Work on Center of Mass Lab-Hand out FA 9.1, 9.2, 9.3 | **Check:** P9.3 #1, 3, 4, 5**Video Flip:** Center of Mass Lab | **Watch:** Videos F |
| 6Apr18/20 | -Work on FA-Work on Center of Mass lab | **Check:** P9.3 #7, 8, 11, 12 |  |
| 7Apr21/24 | -Summative Assessments:**9.1 - Translational Equilibrium****9.2 - Torsional Equilibrium and Center of Mass****9.3 - Torsional and Translational Equilibrium** | **Turn in:** FA 9.1, 9.2, 9.3**Turn In:** P9.3 |  |
| Apr25/26 | **Vaves! Jah!** (und simple harmonishes motion) |  |

|  |  |
| --- | --- |
| 2 Labs:* Equilibrium Lab - with Force table
* Center of Mass

3 Formative/Summative Assessments* 9.1 - Translational Equilibrium
* 9.2 - Torsional Equilibrium and Center of Mass
* 9.3 - Torsional and Translational Equilibrium

3 Homework assignments:* P9.1: #1, 2, 6, 7 /8 pts
* P9.2: #21, 22, 26, 27, 8, 9, 10, 14 /16 pts
* P9.3: #1, 3, 4, 5, 7, 8, 11, 12 /16 pts
 | Handouts: |