

Correspondences between LON-CAPA Problem Sets and CBI Study Modules

PHY 233B

Set Number	Topic	Study Modules
1	Math Preliminaries	Modules 401, 403, 404, 405, 2
2	Motion in 1 and 2 dimensions	Module 7, 72
3	2D Motion; Forces	Modules 8
4	Newton's Laws	Modules 62, 14
5	Work and Energy	Modules 20, 21, 22
6	Momentum and Collisions	Modules 15, 10, 16
7	Moment of Inertia	Modules 9, 17, 41
8	Moment of Inertia	Modules 41, 33, 34
9	Review	
10	Rotational dynamics	Modules 18, 33, 34
11	Simple Harmonic Motion	Modules 25, 26
12	Waves	Modules 201, 202, 204

Additional reading is optional, but the student striving for a high grade may find it helpful to look up some topics in a standard textbook such as *Elements of Physics* (volume 1) by Halliday, Resnick and Walker.