

Correspondences between LON-CAPA Problem Sets and CBI Study Modules

PHY 234B

Set Number	Topic	Study Modules
1	Electric Charge	Modules 121, 114, 115
2	Electric Fields	Modules 115, 117
3	Gauss law	Modules 153, 132, 133
4	Electric Potential	Modules 116, 147
5	Capacitance	Modules 134, 135
6	Current and Resistance	Modules 118, 119
7	Circuits	Modules 119, 169
8	Magnetic Fields 1	Modules 122, 123, 124
9	Magnetic Fields 2	Modules 125, 128
10	Alternating Current	Modules 151, 152
11	Induction and Inductance	Modules 142, 144
12	Electromagnetic Waves	Modules 210, 211, 220

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 2) by Halliday, Resnick and Walker.