

12.109 LAB FINAL

Disclaimer: This is an open note, open book exam, but you may not share notes or books with the other students. Remember, take your time, use your matrix, and good luck. It is due **before** next Monday!!

I have chosen two igneous rocks (IU-15 and IU-85) and two metamorphic rocks (MU-7 and **MU-15**). You should be able to find these thin sections in the box for Labs 12-14.

Please write 1-2 paragraphs of “petrographic report” for each thin section: identify the minerals (and briefly tell me how to identify them, any zonation, twinning.....) and estimate their proportions, describe the texture and name the rock (for igneous rocks) or identify the facies (for metamorphic rocks).

If you happen to find minerals that present in both igneous and metamorphic rocks, Can you tell the difference if there is any (in composition, color, cleavage etc.)?