**EES-2510L Homework Assignment #4: Metamorphic Rocks**

**Due by: 10/5/2018**

**Name Cameron Fox Section 03**

**Answer the following:**

1. Write a short summary (5 sentences minimum) about this week’s lab including what you’ve learned, its application, and the usefulness of the knowledge.

I thought that this lab was very interesting and not to difficult overall. It was good with teaching how to identify the different types of metamorphic rocks and where they are in the world. The lab was a challenge but it was nice to learn something new.

2. Were you able to complete the lab during the lab time? Yes No

If No, how far did you get?

I think I got through a good section of the lab but still had to finish the identifying of metamorphic rocks.

3. Did you enjoy the lab?

I found it very interesting and a good learning experience.

4. How difficult was the lab?

It was challenging and I had to really work and get help from my classmates to figure things out.

5. How would you rate this lab? 1 2 3 4 5 6 7 8 9 10

6. Additional Comments put here (not required):

No additional comments

**How can you distinguish between the following metamorphic rocks?**

7. Marble and Quartzite

Marble comes from dolostone whereas Quartzite comes from quartz.

8. Slate and Phyllite

Phyllite has a slightly higher grade in temperature and pressure.

9. Schist and Gneiss

Schist is formed from clays and muds while gneiss is formed from volcanic rock.

10. Phyllite and Schist

Schist is a medium grade rock with flat sheet of grains while phyllite is a fine grained rock.