**Geography (GEOG) 403/704 Spring 2022**

**Lab One**

**Introduction to Image Interpretation**

**10 points**

**Materials needed:** pocket stereoscope, stereophoto pairs

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Goal: This lab is designed to introduce you to stereoscopic photographic images as a source of qualitative information about the cultural and natural environment.

1. Devil's Lake Set #538 using unknown film and filter
   1. What is the land cover type right around the lake?
   2. Why is the land cover different than that around the lake in the top areas of the photo (B.1-3.2)?
   3. What characteristics (shape, size, etc.) did you use to help your interpretation?
2. Teardrop Drumlins Set #109 Nitrate base film and -Blue filter

**drumlin**

steep slope side>>>>> ice advance direction>>>>>>gradual slope side

* 1. Which direction did the ice advance from in this location? (assume that the top of the photo is north)
  2. How might you identify the steep sides of the drumlins if you could not view them in stereo? (hint: look for land cover variations)

Geography (GEOG) 403/704 Lab One 2

1. Gazelle Peninsula Set #107 Super XX film with -Blue filter
   1. Do you think that this volcanic one has been recently active? Justify your answer.
   2. What are the small circular features near the small bay inlet above the volcanic cone? (hint: these are human-made features, pay attention to the date and geographic location)
2. Ishigaki Set #303 Super XX film with -Blue filter
   1. What are the somewhat regular land use patterns caused by?
   2. Why does their shape change in different portions of the photo?
   3. Is the light gray feature near the village a cloud or something else? Explain how you determined this.
3. Foy Landing I (Set #215) Super XX film with -Blue filter and II (Set #216) Infrared film with 89A filter

These are photos taken at the same time from cameras mounted next to each other in the plane.

* 1. What features are best distinguished by the visible B&W photo?
  2. What features are best distinguished by the IR photo?