BCM3173 – 1718-I

LAB TASK: RASTER SPATIAL ANALYSIS

Task:

1. Download all the data in Kalam (datasets needed: landuse, rec_sites, schools, and elevation)

2. The data that you have downloaded are all input datasets.

3. Derive the following:

   - Slope

   - Distance to recreation sites

   - Distance to existing schools

4. Reclassify the derived datasets into the scale of 1 to 10.

5. Weight the reclassified datasets and the landuse dataset according to a percentage of influence.

6. Combine all datasets and produce a map that shows suitable locations for the new school.

7. Finally, select the optimal site for the new school from all the available alternatives (options).

For complete guide on how to do this step by step, please refer to this link:

http://desktop.arcgis.com/en/arcmap/latest/extensions/spatial-analyst/tutorial/exercise-3-finding-a-site-for-a-new-school.htm