2) To understand basic concepts independent of any particular software.

3) To learn ArcMap GIS through hands-on computer lab exercises.

4) To learn how to download and used Alaskan geospatial data.

Grades Based on total points as follows:

- **12 blackboard-based quizzes (https://classes.alaska.edu/) 20 points each = 240 points**
  - **Quiz 1 Due Tuesday 11-Sept-2018 5pm**
  - **Quiz 2 Due Tuesday 25-Sept-2018 5pm**
  - **Quiz 3 Due Tuesday 2-Oct-2018 5pm**
  - **Quiz 4 Due Tuesday 9-Oct-2018 5pm**
  - **Quiz 5 Due Tuesday 16-Oct-2018 5pm**
  - **Quiz 6 Due Tuesday 23-Oct-2018 5pm**
  - **Quiz 7 Due Tuesday 30-Oct--2018 5pm**
  - **Quiz 8 Due Tuesday 6-Nov-2018 5pm**
  - **Quiz 9 Due Tuesday 13-Nov-2018 5pm**
  - **Quiz 10 Due Tuesday 20-Nov-2018 5pm**
  - **Quiz 11 Due Tuesday 27-Nov-2018 5pm**
  - **Quiz 12 Due Tuesday 4-Dec-2018 5pm**
- **On-line Mid-Semester Exam= 100 points**
- **On-line GIS Final Exam: 100 points**
- **Class Participation: 100 points**
- **Total points possible = 540 points**

Final grades will be based on total points earned in the course as follows:

> 485 total points = A

445 to 485 total points = B

400 to 444 points = C

	2) Elevation Geoprocessing Analysis		
Nov. 6-8	**Georeferencing Rasters** **Youtube video sessions:** 1. **Georeferencing Model** 2. **ArcMap Georeferencing Toolbar**	**Georefererencing Problems**	**Lab 9: Georeferencing Rasters**
Nov. 13-15	**Supervised Classification** **Youtube video sessions:** 1. **Supervised Classification** 2. **Estimating Classification Accuracy**	**Image Classification Problems**	**Lab 10: Raster imagery: classification and accuracy assessment**
Nov. 20-21	**Feature Analysis** **Youtube video sessions:** 1. **Distance Geoprocessing Tools** 2. **Overlay Geoprocessing Tools**	**Thanksgiving Holiday** !	**Lab 11: Feature Analysis**
Nov 27 - 29	**Map Layouts** : Map Layout For Landscape Change Animation Time enabled layers: Alaska Wildfires Since 2000 Study area Map Layout	**Feature Analysis Spatial Problems**	**Lab 12: Map Layout**
Dec. 4-6	**Example Final Exams** : Practice Final 1: Invasive Weed Locations Along Haul Road Practice Final 2: Barley Fields Mean Soil pH and Yield Practice Final 3: Shorebirds Mean Distance to Low Tide Line Practice Final 4: Churchill River KM By Province	**Final Exam during lab**	**Final Exam during lab**