

Spring 2020 Week by Week Activities

Week/Dates	Classroom	Field/Lab
Week 1 – 1/22/20	Course introduction,	
Week 2 - 1/27/20, 1/29/20	-GPS basics	Compass, formats, & ArcGIS/GPS exercise; Homework 1 (due after Week 3), Geocaching (on-going) (Intro GIS-LAB “Independent Study” if needed)
Week 3 - 2/3/20, 2/5/20	GPS basics continued, coordinates, projection & datum (Garmin Lab)	Rec/Grade lab practice and collect points, Start on-going Data collection project (duration 7 weeks)
Week 4 - 2/10/20, 2/12/20	Map Reading, GPS & Maps (Garmin Lab)	DNR Software, NAV exercise, tracks/points collect and transfer exercise
Week 5- 2/17/20, 2/19/20	Differential GPS Concepts (Garmin Lab)	Recreation /GIS grade accuracy control exercise
Week 6- 2/24/20, 2/26/20	GIS Grade Equipment basics (Trimble Juno Lab)	GIS/Grade lab practice and collect points, lines and polygons. 2nd Homework (Home control points; due Week 11)
Week 7 - 3/2/20, 3/4/20	GIS/Grade Software (Trimble Juno Lab)	Transfer data and differential correction
Week 8 - 3/9/20, 3/11/20	Spring Break	Spring Break
Week 9 – 3/16/20, 3/18/20	GIS/Grade Software -2	Transfer data and differential correction; Bluetooth receivers
Week 10 - 3/23/20, 3/25/20	Data Dictionaries (Trimble)	Create & use data dictionaries-Trimble
Week 11 - 3/30/20, 4/1/20	Accuracy/NSSDA	Field accuracy Lab
Week 12 - 4/6/20, 4/8/20	Test – Classroom	Field Test
Week 13 - 4/13/20, 4/15/20	High accuracy GPS (GCP) UAS Ground Control Points - Basics & Practice (Trimble)	Design & implement GCPs; includes geotagging & UAS processing
Week 14 - 4/20/20, 4/22/20	Field Data Form Design &Collection /ArcGIS Collect	AGO basics & geodatabase development in ArcMap creating & deploying forms for Collect
Week 15 - 4/27/20, 4/29/20	Field Data Form Design & Collection/ Open Data Kit (ODK) Lab	Create & deploy data collection form (ODK)
Week 16 - 5/4/20	Field Data Form Design &Collection/Trimble Survey 123	Design, create & deploy Arc Collector/Survey 123 forms for field data collection.
Week 17 – 5/11 & 5/13/20 (Finals Week – no class final test)	Final Project, Graduate Project (before 5/13/20)	Use Terrasync, Collector, ODK for Final Project