

New online Summer class: May 14 to June 22, 2018

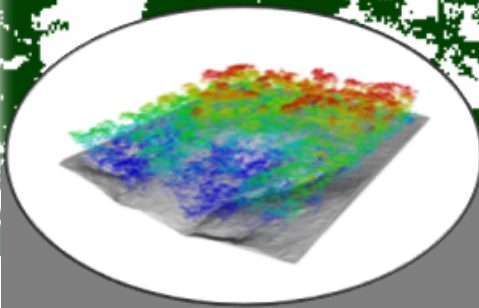
More info: ameddens@uidaho.edu or lidar_nrs@outlook.com



University
of Idaho

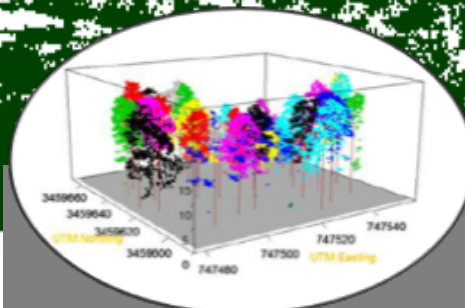
NRS 404/504 - Lidar Remote Sensing for Environmental Monitoring (3 credits)

Instructors: Arjan Meddens and Carlos Silva



Lidar Data Processing

- Visualize lidar point clouds
- Develop digital terrain models
- Develop canopy height models



Lidar Applications

- Quantify vegetation structure
- Detect individual trees
- Urban and geological applications
- Hydrological modeling



Modeling

- Build statistical models to estimate forest biomass
- Tree species detection
- Develop your own lidar project

About the Class:

This class will teach you all you need to know about lidar technology, research, and applications. Learn how to visualize, process lidar point cloud data, build terrain and canopy height models. We will use open source software including R and Fusion. This class is online and includes a chance to develop your own lidar project.

Arjan Meddens is a research professor in the NRS department and uses remote sensing to quantify forest disturbances; he has published several papers on lidar remote sensing.

Carlos Silva is an adjunct lecturer in the NRS department and a researcher at the USFS, he has developed the rLidar package and has published many papers on lidar remote sensing.