Graduate School Learning Outcomes

Graduate Certificate in Surveying Engineering

June 2022

GSLS #1: Understand, interpret, shape, and augment the knowledge base

PLO #1 satisfied by:

a. Evaluate the theoretical and practical application of emerging technologies in surveying engineering such as Unmanned Aerial Vehicles, Lidar, Close-range photogrammetry, hydrographic surveying, and modern aspects of geodesy.
b. Apply emerging technologies in survey engineering.
c. Articulate the latest research in technologies such as Unmanned Aerial Vehicles, Lidar, Close-range photogrammetry, hydrographic surveying, and modern aspects of geodesy.

GSLG #2: Share disciplinary expertise openly, effectively, and accurately

PLO #2 satisfied by:

a. Apply professional best practices tools to convert research concepts into cost effective production techniques in surveying engineering topics such as Unmanned Aerial Vehicles, Lidar, Close-range photogrammetry, hydrographic surveying, and modern aspects of geodesy.
b. Explain trends in advanced boundary law principles.
c. Apply advanced boundary law principles to land survey practices.

GSLG #3: Demonstrate responsible and ethical practice

PLO #3 satisfied by:

a. Discriminate most effective strategies in advanced boundary law that is in the best interest of the broader public.
b. Discriminate most effective strategies in emerging technologies of surveying engineering that lend to the best interest of the broader public.