**Graduate School Learning Outcomes**

Professional Science Masters in Engineering and Business - Surveying Engineering option

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.
d. Bring complex projects to successful completion.
e. Modern administrative practices at the strategic level of business practice.

**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.
d. Producing understandable financial statements

**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.
c. Successfully implement team theory and personal conflict resolution.
d. Optimize organizational structure, culture, and the global environment