DEPARTMENT OF GEODETIC ENGINEERING
School of Engineering and Architecture
Saint Louis University

PROGRAM OUTCOMES

By the time of graduation, the students of the program shall have the ability to:

a. Apply a wide range of skills in mathematics, physical sciences, engineering sciences to the practice of Geodetic Engineering;

b. Design and conduct experiments as well as to analyze and interpret data

c. Design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability in accordance with standards

d. Work effectively as a member and leader in multi-disciplinary and multi-cultural teams

e. Formulate and solve Geodetic Engineering problems

f. Act in accordance to professional, social and ethical responsibility

   Apply an in-depth understanding of the impact of engineering solutions in a global, economic, environmental and societal context;

h. Communicate effectively in written and oral forms using both English and Filipino as well as in graphical forms

i. Practice life-long learning and exhibit the willingness and capability to be current and relevant with the developments in the field of Geodetic Engineering

j. Apply current trends and developments in the field of Geodetic Engineering

k. Use appropriate techniques, skills and modern engineering tools for Geodetic Engineering practice

l. Demonstrate a keen awareness of contemporary issues and their impact on the practice of Geodetic Engineering profession

m. Participate in the generation of new knowledge and developmental projects

   Preserve and promote “Filipino historical and cultural heritage” by showing a deep and principled understanding of how Geodetic Engineering is related to a larger historical, social, cultural, and political processes

n. Practice Christian values in their personal and professional endeavors as Louisians in the service of the CICM mission