ICH2104 GEOENGINEERING FIELD WORK AND LABORATORY

PRELIMINARY PROGRAM
(THIS COURSE WILL BEGIN TO DICTATE ON 2-2016)

Credits and contact hours: 10 UC credits /10 hours (3 hours in lectures, 7 h. individual work hours per week)

Instructor’s name: To be defined

Course coordinator’s name: Cristián Escauriaza


Course Catalog Description: This will be a course focused on the engineer’s work in the field. Field measurement techniques, related to Earth sciences and engineering, will be taught along with data analysis and relations to other engineering disciplines

Prerequisite Courses: ICE2623 Introduction to physical geology

Co-requisite Courses: ICE2604 Fundamentals of Geotechnical Engineering

Status in the Curriculum: Required

Course Learning Outcomes: We expect the student to conduct fieldwork and use instrumentation to collect data for engineering analysis and design. The student should also be able to develop basic conceptual models and interpret the results.

Relation of Course to ABET Criteria: a. Knowledge of mathematics, science and engineering
b. Design and conduct experiments: analyze and interpret data
c. Design a system, component, or process
e. Identify, formulate, and solve engineering problems
k. Techniques, skills, and modern tools for engineering practice.

Topics covered: To be defined