PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE
COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL ENGINEERING
ABET COURSE SYLLABI

ICH2101 GEOENGINEERING DESIGN

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

Credits and contact hours	10 UC credits /10 hours (3 hours in lectures and 7 h. individual work hours per week)
Instructor's name	To be defined
Course coordinator's name	Cristián Escauriaza
Textbook:	To be defined
Course Catalog Description:	To be defined
Prerequisite Courses:	ICE2028 Mineralogy and Petrography, ICH 2304 Environment Engineer, ICE 2604 Fundamentals of Geotechnical Engineering
Co-requisite Courses:	None
Status in the Curriculum:	Required Crr 2013
Course Learning Outcomes:	This is the capstone course for the Geoengineering program. The main outcome is for the students to integrate knowledge across the courses they have taken. This will be achieved through the development of a Project during the semester, working with a team in the analysis of a problem, and participating in the process of engineering design.
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 d. Multidisciplinary teams e. Identify, formulate, and solve engineering problems f. Professional and ethical responsibility g. Effective communication k. Techniques, skills, and modern tools for engineering practice.
Topics covered	This class will not present additional to those which are part of the curriculum, as the work will be done based on group work computers contained. Depending on the semester projects, will be taught specific kinds of professional engineers working in the field of the project, or that include the use of new software tools or measurement, or support for

presentations of papers and reports.