

Programme Learning Outcomes of the MSc in Applied Geosciences

Educational aims of the university's taught postgraduate curricula To enable our students to develop their capabilities in:	Programme Learning Outcomes of the MSc in Applied Geosciences
(i) Critical intellectual enquiry and acquiring up-to-date knowledge and research skills in a discipline/profession (ii) Application of knowledge and research skills to practice or theoretical exploration, demonstrating originality and creativity	PLO1 can apply geological knowledge and skills in the solution of problems in the student's discipline PLO2 can explain, use and critically assess the use of science related to the student's discipline PLO3 insists on knowing the facts before making a judgement; exhibits judicial habits of mind
(iii) Tackling novel situations and ill-defined problems	PLO4 effective in defining and solving problems from first principles, without reliance on solutions from memory; can satisfactorily complete a self-directed study
(iv) Collaboration and communication of disciplinary knowledge to specialists and the general public	PLO5 effective in oral, written and graphical communication in the student's discipline PLO6 works well in a team
(v) Awareness of and adherence to personal and professional ethics	PLO7 knows the standards of conduct required by law, by the student's professional qualifying body and by the university and why it is important to uphold a high standard of professional ethics; knows the specific malpractices that may be encountered in the student's profession and how to guard against malpractice
(vi) Enhancement of leadership and advocacy skills in a profession	PLO8 able to recognise, articulate and advocate the societal benefits of the application of best practice in engineering geology in the construction industry, in the use of earth resources and in the mitigation of geological risk ¹ .

¹ for those taking the Engineering Geology Theme or the Engineering Geology with HKIE Approved Courses Theme of the MSc in Applied Geosciences