

# **Underground Utility Detection Survey and Mapping. Land Surveyors Board of Malaysia Certification Course**

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## **SUMMARY**

Underground Utility Detection Survey and Mapping. Land Surveyors Board of Malaysia Certification Course The subject matter Underground Utility Detection Survey and Mapping (UUDSM) encompasses 3 core disciplines i.e. Electrical and Electricity which focus on signal and operation aspects, Geology and Geophysics on acquisition anomaly aspect and Mapping which provide a complete spatial definition of “what is where”. Attempt at knowledge transfer largely depends on the domain of expertise and constraints as well as business focus of organisations, corporations and academic institutions. A review of existing courses offered by these organisations worldwide only serves to prove that these courses fall short of the expected role to be played by land survey professionals. Recognising the need to address the issue, the Land Surveyors Board Malaysia and the Association of Authorised Land Surveyors Malaysia has embarked on a mission to design and offer a professional course in UUDSM to its members at post-graduate level in line with the professional and institutional need of the country. Besides the challenge to unify a multitude of disciplines, the conduct of the course has to cater for the underlying constraints that its potential candidates are professional land surveyors who have their practice to attend to. To date, three batches of a total of 90 Licensed Land Surveyors have successfully completed the said course and have been awarded with Competency Certificates by the Board of Land Surveyors Malaysia. This paper will present the contents, modules and implementation schedule of the course. Participations and the role-played by various experts from institutions of higher learning and organisations are specifically highlighted and duly recognised as having contributed to the successful implementation of the course. The course consists of lectures and practical assignments, which includes reports and documentation of each module/dissertation/project documentation, competency test, skills and an oral interview. A certificate will be awarded to participants who fulfill the accreditation prerequisite. Author: Mr. Siew Weng Siew and Mr. Shahabuddin Ibrahim