

BIM Curriculum for Geomatics Engineering

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SUMMARY

Building Information Modelling (BIM) and digital engineering have begun to shift the way the architecture, engineering and construction industry operates. The geospatial professionals have the opportunity to take a more prominent position in this paradigm shift. The shift is expected to take place exponentially soon. The compartmentalisation of the engineering curriculum in tertiary education will no longer address the needs of this shift. Instead, the need for competencies in collaboration and digital principles are becoming more prominent. This need will make the data management and sharing skills of geospatial professionals critical for the future of infrastructure engineering. This study analyses the current state of the infrastructure engineering curriculum at the University of Melbourne concerning this shift. This paper provides a review of the contemporary tertiary teaching, and learning practice concerning BIM identifies gaps and recommend approaches to address the gaps.

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