

University of Pretoria Yearbook 2022

Engineering graphics and design 240 (JTT 240)

Qualification Undergraduate

Faculty [Faculty of Education](#)

Module credits 12.00

NQF Level 06

Programmes [BEd \(Senior Phase and Further Education and Training Teaching\)](#)

Prerequisites MGC 110, JTT 120, WTW 134 or WTW 114 or WTW 158

Contact time 2 lectures per week, 2 practicals per week

Language of tuition Module is presented in English

Department Science Mathematics and Technology Education

Period of presentation Semester 2

Module content

This module equips students to understand and teach Engineering graphics and design in the FET-Phase. The focus is on intermediate free hand drawing and instrument drawing techniques contextualised for the Department of Education's curriculum requirements for Isometric drawing and Mechanical drawing conventions. Primary and secondary manufacturing processes including fixed bodies. Descriptive Geometry. Evaluation of drawings and error detection. Practical application of techniques.

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