

# University of Pretoria Yearbook 2021

## 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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