

# University of Pretoria Yearbook 2019

## Engineering graphics and design 240 (JTT 240)

**Qualification** Undergraduate

**Faculty** [Faculty of Education](#)

**Module credits** 12.00

**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 practicals per week, 2 lectures per week

**Language of tuition** Afrikaans and English are used in one class

**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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