

# University of Pretoria Yearbook 2022

## Design and technology 210 (JOT 210)

**Qualification** Undergraduate

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

**Module credits** 20.00

**NQF Level** 06

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

**Prerequisites** JOT 110 and JOT 120.

**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 1

### Module content

This module aims to develop students' design problem solving capabilities in the context of electrical systems and control: atom theory, concepts such as voltage, current and resistance, current theory, electrical components and symbols, basic electric circuits, logic gates.

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