

University of Pretoria Yearbook 2017

Electronic materials 713 (PHY 713)

Qualification Postgraduate

Faculty [Faculty of Natural and Agricultural Sciences](#)

Module credits 15.00

Prerequisites No prerequisites.

Contact time 6 lectures per week

Language of tuition Module is presented in English

Academic organisation Physics

Period of presentation Semester 1

Module content

Structure, electrical and optical properties of semiconductors; semiconductor metal contacts; Ohmic and Schottky contacts; influence of impurities and defects on properties of the contacts; quantum well semiconductor structures.

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