

University of Pretoria Yearbook 2018

Database systems 326 (COS 326)

Qualification Undergraduate

Faculty [Faculty of Engineering, Built Environment and Information Technology](#)

Module credits 18.00

Programmes [BIS Multimedia](#)

[BSc Computer Science](#)

[BSc Information and Knowledge Systems](#)

Prerequisites COS 221

Contact time 1 lecture per week, 2 practicals per week

Language of tuition Module is presented in English

Department Computer Science

Period of presentation Semester 2

Module content

This module builds on a prior introductory module on database technology and provides more advanced theoretical and practical study material for managing large volumes of data, for example, noSQL database systems and MapReduce. The module will consider file system models, for example Hadoop, relevant for big data storage, manipulation at scale, mining and visualisation. Basic knowledge of parallel decomposition concepts will be included.

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