



University of Pretoria Yearbook 2017

Discrete structures 285 (WTW 285)

Qualification Undergraduate

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

Module credits 12.00

Programmes [BIT Information Technology](#)

[BSc Computer Science](#)

[BSc Information and Knowledge Systems](#)

[BSc Applied Mathematics](#)

[BSc Chemistry](#)

[BSc Mathematical Statistics](#)

[BSc Mathematics](#)

[BSc Physics](#)

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

Prerequisites WTW 115

Contact time 1 tutorial per week, 2 lectures per week

Language of tuition Module is presented in English

Academic organisation Mathematics and Applied Maths

Period of presentation Semester 2

Module content

Setting up and solving recurrence relations. Equivalence and partial order relations. Graphs: paths, cycles, trees, isomorphism. Graph algorithms: Kruskal, Prim, Fleury. Finite state automata.

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