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# University of Pretoria Yearbook 2018

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## Actuarial statistics 322 (WST 322)

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| <b>Qualification</b>          | Undergraduate   |
| <b>Faculty</b>                | <a href="#">Faculty of Economic and Management Sciences</a>   |
| <b>Module credits</b>         | 18.00   |
| <b>Programmes</b>             | <a href="#">BCom</a><br><a href="#">BCom Statistics</a><br><a href="#">BSc Computer Science</a><br><a href="#">BSc Actuarial and Financial Mathematics</a><br><a href="#">BSc Applied Mathematics</a><br><a href="#">BSc Mathematical Statistics</a><br><a href="#">BSc Mathematics</a> |
| <b>Service modules</b>        | <a href="#">Faculty of Economic and Management Sciences</a><br><a href="#">Faculty of Natural and Agricultural Sciences</a>   |
| <b>Prerequisites</b>          | WST 211, WST 221, WTW 211 GS and WTW 218 GS   |
| <b>Contact time</b>           | 1 practical per week, 2 lectures per week   |
| <b>Language of tuition</b>    | Module is presented in English  |
| <b>Department</b>             | Statistics  |
| <b>Period of presentation</b> | Semester 2  |

### Module content

Decision theory. Loss distributions. Reinsurance. Risk models. Ruin theory. Credibility theory. Methods to forecast future claim numbers and amounts. Practical statistical modelling and analysis using statistical computer packages.

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