

Afrikaans TEORETIESE FISIKA

2018

English THEORETICAL PHYSICS

Toelatingsvereistes:

- Afrikaans of Engels (Huis taal of Eerste Addisionele Taal) 4
- Wiskunde 6
- Fisiese Wetenskappe 4

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Programverteenwoordiger
Program representative

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<http://www.physics.sun.ac.za/theory/>

Admission requirements:

- Afrikaans or English (Home Language or First Additional Language) 4
- Mathematics 6
- Physical Sciences 4

| 1ste jaar: kurrikulum 7 | (140 krediete/credits) | 1st year: curriculum 7 |
|------------------------------------|------------------------|-----------------------------------|
| Fisika | 114(16), 144(16) | Physics |
| Rekenaarwetenskap | 114(16), 144(16) | Computer Science |
| Wiskunde | 114(16), 144(16) | Mathematics |
| Waarskynlikheidsleer en Statistiek | 114(16) | Probability Theory and Statistics |
| Toegepaste Wiskunde | 144(16) | Applied Mathematics |
| Wetenskap in konteks | 178(12) | Science in Context |

| 2de jaar kurrikulum Verpligte modules | (133 krediete/credits) (101 krediete/credits) | 2 nd year curriculum Compulsory modules |
|--|--|---|
| Fisika | 214(16), 224(16), 244(16), 254(16) | Physics |
| Wetenskaplike Berekening | 272(5) | Scientific Computing |
| Wiskunde | 214(16), 244(16) | Mathematics |

plus

| Keusemodules | (32 krediete/credits) | Elective modules |
|---------------------|------------------------|---------------------|
| Toegepaste Wiskunde | 214(16), 244(16) of/or | Applied Mathematics |
| Rekenaarwetenskap | 214(16), 244(16) | Computer Science |

| 3de jaar kurrikulum Verpligte modules | (133 krediete/credits) (101 krediete/credits) | 3rd year curriculum Compulsory modules |
|--|--|---|
| Fisika | 314(16), 334(16), 342(8), 344(16), 352(8), of/or 372(8) | Physics |
| Toegepaste Wiskunde | 364(16) | Applied Mathematics |
| Wetenskaplike Berekening | 372(5) | Scientific Computing |
| Wiskunde | 324(16) | Mathematics |

plus

Keuse afhanklik van die keuse wat in die tweede jaar uitgeoefen is.

Choice dependent on the choice made in the second year.

| Keusemodules | (32 krediete/credits) | Elective modules |
|---------------------|------------------------------------|---------------------|
| Toegepaste Wiskunde | 324(16), 354(16) | Applied Mathematics |
| Rekenaarwetenskap | 314(16), 315(16), 334(16) | Computer Science |
| Wiskunde | 314(16), 325(16), 365(16), 378(32) | Mathematics |
| Fisika | 384(16) | Physics |

Let Wel: Hierdie stroom lei tot 'n honneursprogram in Teoretiese Fisika en, met die volg van toepaslike keusemodules, ook tot 'n honneursprogram in Fisika of in Fisiese en Wiskundige Analise.

Please Note: This stream leads to an honours programme in Theoretical Physics and also, if applicable elective modules are taken, to an honours programme in Physics or in Physical and Mathematical Analysis.