

Afrikaans

Honneurs in  
**TEORETIESE FISIKA  
STROOM**

PROGRAMKURRIKULUM

**2018**  
Nagraads  
Post Graduate

Programverteenwoordigers  
Program representatives

Prof KK Müller-Nedebock

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

English

Honours in **STREAM**  
**THEORETICAL PHYSICS**

PROGRAMME CURRICULUM

| Kode<br>Code | Module<br>Module | Krediete<br>Credits | Module Naam  | Module Name   | Semester |
|--------------|------------------|---------------------|--|---|----------|
| 10445        | 711              | 8                   | Elektromagnetisme  | Electromagnetism  | 1        |
| 10590        | 712              | 8                   | Lagrange- en Hamiltonmeganika  | Lagrange and Hamilton Mechanics   | 1        |
| 10752        | 713              | 8                   | Vastetoestandfisika  | Solid State Physics   | 1        |
| 10586        | 714              | 16                  | Kwantummeganika B (Gevorderde formalisme en toepassings)                 | Quantum Mechanics B (Advanced Formalism and Applications)                       | 1        |
| 10587        | 719              | 8                   | Kwantummeganika C (Funksionaal-integraalformulering)                     | Quantum Mechanics C (Functional Integral Formulation)                           | 1        |
| 10702        | 721              | 16                  | Statistiese Fisika B (Inleiding tot Wisselwerkende en Nie-ewewigsisteme) | Statistical Physics B (Introduction to Interacting and Non-equilibrium Systems) | 1        |
| 63274        | 741              | 32                  | Fisika Projek  | Physics Project   | 2        |
| 10610        | 747              | 8                   | Molekulêre Fisika  | Molecular Physics   | 2        |
| 10674        | 755              | 16                  | Relatiewistiese Kwantummeganika en Kwantumveldeteorie                    | Relativistic Quantum Mechanics and Quantum Field Theory                         | 2        |

plus

|       |     |   |                       |                         |   |
|-------|-----|---|-----------------------|-------------------------|---|
| 10539 | 757 | 8 | Entropie en Inligting | Entropy and Information | 1 |
|-------|-----|---|-----------------------|-------------------------|---|

of/or

|   |  |
|---|--|
| 'n module ter waarde van 8 krediete in Wiskunde of Toegepaste Wiskunde in oorleg met die Teoretiese Fisika-koördineerder. | a module to the value of 8 credits from mathematics or Applied Mathematics in consultation with the Theoretical Physics coordinator. |
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