

# Universiteit van Pretoria Jaarboek 2017

## Contemporary research techniques 784 (ZEN 784)

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| <b>Kwalifikasie</b>           | Nagraads                                                                 |
| <b>Fakulteit</b>              | <a href="#">Fakulteit Natuur- en Landbouwetenskappe</a>                  |
| <b>Modulekrediete</b>         | 13.00                                                                    |
| <b>Programme</b>              | <a href="#">BScHons Dierkunde</a><br><a href="#">BScHons Entomologie</a> |
| <b>Voorvereistes</b>          | Geen voorvereistes.                                                      |
| <b>Kontaktyd</b>              | 4 besprekingsklasse per week                                             |
| <b>Onderrigtaal</b>           | Module word in Engels aangebied                                          |
| <b>Akademiese organisasie</b> | Dierkunde en Entomologie                                                 |
| <b>Aanbiedingstydperk</b>     | Semester 2                                                               |

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Stable isotope ecology – applications of stable isotope-based techniques in zoological research, including (i) tracking animal movements, (ii) dietary reconstruction, (iii) delineation of trophic levels, (iv) tracing nutrient allocation to reproduction, (v) forensic applications, and (vi) doubly-labelled water and water tracer applications. Stress hormones – the spectrum of stress molecules, how they are regulated, what their impacts are, and how they are measured to reflect acute and chronic stress. Photogrammetry – (i) appropriate equipment for photogrammetry, (ii) photographic techniques for photogrammetric use, (iii) photogrammetry software, (iv) building three-dimensional models, (v) measuring models. Applications of molecular biology to conservation genetics, infectious disease epidemiology and ecology, forensics (host and pathogen-based) and diagnostics.

Die inligting wat hier verskyn, is onderhewig aan verandering en kan na die publikasie van hierdie inligting gewysig word.. Die [Algemene Regulasies \(G Regulasies\)](#) is op alle fakulteite van die Universiteit van Pretoria van toepassing. Dit word vereis dat elke student volkome vertrouwd met hierdie regulasies sowel as met die inligting vervat in die [Algemene Reëls](#) sal wees. Onkunde betreffende hierdie regulasies en reëls sal nie as 'n verskoning by oortreding daarvan aangebied kan word nie.