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# University of Pretoria Yearbook 2016

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## Principles and practices 351 (HSC 351)

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| <b>Qualification</b>          | Undergraduate  |
| <b>Faculty</b>                | <a href="#">Faculty of Natural and Agricultural Sciences</a>   |
| <b>Module credits</b>         | 14.00  |
| <b>Programmes</b>             | <a href="#">BScAgric Agricultural Economics: Agribusiness Management</a><br><a href="#">BScAgric Option: Applied Plant and Soil Sciences</a><br><a href="#">BScAgric Plant Pathology</a> |
| <b>Prerequisites</b>          | No prerequisites.  |
| <b>Contact time</b>           | fortnightly practicals, 2 lectures per week  |
| <b>Language of tuition</b>    | Both Afr and Eng   |
| <b>Academic organisation</b>  | Plant Production and Soil Sc   |
| <b>Period of presentation</b> | Semester 1   |

### Module content

The organised nursery industry in South Africa. Principles: seed production; seed germination; rooting of cuttings; budding and grafting; propagation using specialised organs; micro propagation (tissue culturing). Practices: Greenhouse construction, lighting in the nursery; cooling and heating; soil-based and soil-less growing media; container types; irrigation and fertilisation; growth manipulation; pest and disease management. Management, economic and marketing aspects of a typical nursery operation. Students will get hands-on experience and will visit nurseries.

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