

- State space analysis

Initial competences

Final competences

- 1 Demonstrate an understanding of the underpinnings of statistical inference.
- 2 Apply R programming skills.
- 3 Describe the theory of population dynamics.
- 4 Develop and apply advanced statistical models to population dynamics data.
- 5 Draw inference from population dynamics.
- 6 Describe Bayesian inference as applied to population dynamics.

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Seminar

Extra information on the teaching methods

This module utilises a case study approach, seminal research papers are evaluated and discussed by the learners. This module also uses a role play component where learners must adopt a viewpoint supported by available evidence in debate with their peers tasked with holding opposite viewpoints

Learning materials and price

none

References

Journals and other module material will be placed on moodle by the module co-ordinator

Course content-related study coaching

Students experiencing difficulties should engage with course staff, or academic support units within GMIT

Assessment moments

continuous assessment

Examination methods in case of periodic assessment during the first examination period

Examination methods in case of periodic assessment during the second examination period

Examination methods in case of permanent assessment

Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible in modified form

Calculation of the examination mark