

BTNY301: Plant Ecology

Teaching Staff: Professors Steve Higgins, Kath Dickinson, Drs Janice Lord and Linn Hoffmann

Lectures

Section I (9 lectures)

Terrestrial systems ecology
Marine systems ecology

Section II (4 lectures)

Life history ecology

Section III

Habitat systems ecology

Landmark Literature

Seminars

In four seminar sessions we will discuss fundamental papers that have shaped the development of the science of plant ecology.

Practical Exercises

Practical exercises will relate to the three Lecture Sessions. Those relating to Session I will focus on marine systems ecology using microcosms and dynamic modelling of these microcosms to explore feedback controls of ecosystem dynamics.

Terrestrial ecology exercises relating to Sessions II and III will explore habitats from various ecological perspectives relating these to plant traits, plant structure, plant composition and community assembly.

ASSESSMENT

Seminar exercises (20%), Laboratory exercises (30%) and final exam (50%)