

Module code

SPB-3416

Type of module

Undergraduate: Biological Sciences – Elective

Seed Plant Taxonomy and Diversity



Modular credits

4

Total student
engagement

56 hours

Prerequisite

SPB-1201 Diversity of Life OR SPB-1202 Organisms and Environment OR SPB-1203 Skills in Biological Sciences

Anti-requisite

None

Aims

To describe the most common and important plant orders, families and genera in Brunei, covering the whole seed plant classification system.

Module learning outcomes (MLO)

On successful completion of this module, a student will be expected to be able to:

MLO 1

Analyse the major seed plant orders and families of Brunei Darussalam.

MLO 2

Analyse about 90 seed plant genera of Brunei Darussalam.

MLO 3

Analyse the APGIII seed plant classification up to the order level.

MLO 4

Produce plant descriptions and identification keys.

MLO 5

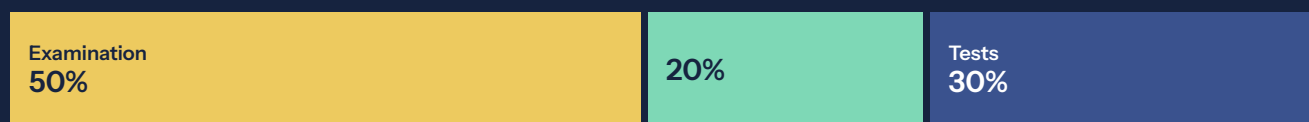
Predict plant traits and life history strategies based on evolutionary relationships between plants.

Module contents

Taxonomy	The classification of the flowering plants	Plant collecting and documentation
Plant morphology and description	Use of plant data storage and manipulation software	Developing keys and spot character lists for plant identification
Use of the internet for plant identification		

Assessment

50% Examination
50% Coursework



■ Examination — 50% ■ Practical assignments — 20% ■ Tests — 30%

Formative assessment

Weekly discussion and feedback

Summative assessment

COMPONENT	WEIGHTING
Examination	50%
Coursework	50%
Individual	50%
Practical assignments	20%
Tests	30%

Graduate attributes and skills

Programme learning objectives (PLO) addressed

1 PLO 1 (Fundamental Theoretical Knowledge in Biology)	2 PLO 2 (Application of Scientific Methods and Data Analysis)
3 PLO 3 (Integrated Laboratory, Field and Technical Skills)	4 PLO 4 (Critical Thinking and Problem-Solving Skills)
5 PLO 5 (Sustainability and Responsible Practice)	

Sustainability concept addressed

15

SDG 15 Life on Land

Digital skills/software used (not limited to)

- Word processing software (e.g. Microsoft Word)
- Photo editing software (e.g. Photoshop)
- Organisational tools (e.g. Outlook calendar)
- Web-based tools (e.g. POWO, TRNS, GBIF)
- Specialised Apps (e.g. Plantsnap, Google Lens)

Micro-credentialling option

No

Stackable towards GenBESTARI Undergraduate Degree Programme or other relevant Lifelong Learning Programmes

No

Document details

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