

SEMESTER I and II
SSS1207/GES1021 – NATURAL HERITAGE OF SINGAPORE

Prerequisite: None

Workload: 32 lecture hours + 8 tutorial hours + self-directed field studies.

This module encourages students to discover and appreciate Singapore's existing biodiversity and habitats and how they are impacted by development. Singapore provides an excellent model to examine whether sustainable development can be achieved. The module covers the country's natural heritage, its historical, scientific and potential economic value. Students are expected to undertake self-directed field trips at their own time. A special website with virtual field tours serves as a semi-interactive IT-resource. The students' independence and experiential learning aspects are strongly encouraged.

S/No.	Topics	Lecture hours
1.	Introduction to Singapore's natural heritage, its past and present status and the impact of development.	2 Ng NK
2.	Primary forest habitats	2 Amy Choong MF
3.	Secondary forest habitats	2 Amy Choong MF
4.	Waste- and reclaimed land habitats	2 Amy Choong MF
5.	Mangrove forest habitats	2 Amy Choong MF
6.	Inter-tidal habitats	2 Ng NK
7.	Sub-tidal habitats	2 Ng NK
8.	Human-made habitats	2 Amy Choong MF
9.	Human impacts and habitat response	2 Amy Choong MF
10.	Biodiversity in Singapore's context	2 Ng NK
11.	Lost heritage – value and impact	2 Ng NK
12.	Challenges in preserving the natural heritage	2 Amy Choong MF
13.	Guest lectures	8 Guest lecturers
14.	Review	All lecturers
Total Lectures: 32 h		
Tutorials: 8 h		
Self-directed field studies or guided field trips: >10 h		
Total hours		50

TEXT BOOK (Reference books):

1. Tan HTW, Chou LM, Yeo DCJ & Ng PKL. 2010. The Natural heritage of Singapore (Third Edition). Pearson Prentice Hall. 323p.
2. Wee YC & Corlett RT. 1986. The city and the forest: plant life in urban Singapore. Singapore University Press. 186p.
3. Wee YC & Ng PKL (Eds) 1994. A first look at biodiversity in Singapore. National Council of the Environment. 163p. (See IVLE for other reference books)

MODE OF ASSESSMENT: 60% Continual Assessment (CA1 – 30 MCQs and CA2 – Poster project) + 40% Final Examination

MODULE CO-ORDINATOR:

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LECTURERS:

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FIELD STUDIES:

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