

SEMESTER I & II
LSM3251 – ECOLOGY AND ENVIRONMENTAL PROCESSES

Prerequisite: LSM1103

Workload: 26 lecture hours + 6 tutorial hours + 18 laboratory hours

LSM3251 will introduce students to core ecology through key environmental issues such as global warming, pollution, biodiversity, population growth and sustainable agriculture. Taking a distinctive approach, it starts each topic with a real life example and uses this as a springboard to present core theory, while taking care to introduce ecological principles in a logical sequence throughout the course. Students will explore ecological principles and environmental issues in greater depth through mini hand-on field projects, classroom discussion and debates.

S/N	Topics	Lecture hours
1.	Introduction: how to study ecology	2
2.	Life on land	2
3.	Life in water	2
4.	Population ecology	4
5.	Species interactions	4
6.	Community ecology	4
7.	Ecosystem ecology	4
8.	Global ecology	4
Total Lectures: 26h		
Tutorials: 6h		
Practicals: 6x3 = 18h		
Total hours:		50h

TEXT BOOK (Reference books):

1. Molles, M. C, Jr. 2005. Ecology: concepts and applications, 5th edition. McGraw-Hill.
2. Miller, G.T., Jr. 2005. Essentials of Ecology, 3rd edition. Thomson

MODE OF ASSESSMENT: 60% CA (field project, lab reports, assignments), 40% final exam

MODULE CO-ORDINATORS:

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LECTURERS

Semester I

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Semester II

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