

Module Handbook

Modul Name	Plant Ecology
Modul Level	Bachelor
Abbreviation, if applicable:	BIL 330
Sub--heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester	Even
Module Coordinator	Thin Soedarti
Lectures	Thin Soedarti Sucipto Hariyanto
Language	Bahasa Indonesia
Classification within the curriculum:	Compulsory Course / Elective Studies
Teaching format/ class hours per week during semester	2
Workload per semester	300 minutes/ week
Credit point	100 min lecture + 100 min structural assignment + 100 min self-assignment x 13 weeks; total 3900 min = 65 hours 65/25 = 2.6 ECTS
Requirements	General Ecology
Learning goals/competencies	<p>General Competence (Knowledge)</p> <p>This course will introduce students to major conceptual issues and areas of current research in plant ecology. We will focus on the factors that affect the distribution and abundance of plant species. The availability of water or nutrients, interactions with neighboring plants or animals, and the frequency of disturbances such as a fire may all interact to influence what vegetation we see in an area, and in what proportions. Examining the many possible influences on each species is the subject of this course. We will also relate current ecological research to such environmental issues as climate change, exotic species invasions, and the impacts of pollution</p> <p>Specific Competence</p> <ol style="list-style-type: none"> 1. Students are able to understand the limit and space of plant ecology. 2. Students are able to understand the principles plant ecology and its scope 3. Students are able to understand the role of environment in ecosystem as an important factor of ecology that affect the society 4. Understanding the basic concept and definition of adaptation 5. Understanding the plant suksesion principles 6. Understanding the plant community principles and its population 7. Understanding the principles of classification in a plant community and its structure 8. Understanding the basic concept, methods, and vegetation analysis technique as one of the important methods in ecology

Content	This course will introduce students to major conceptual issues and areas of current research in plant ecology. We will focus on the factors that affect the distribution and abundance of plant species. The availability of water or nutrients, interactions with neighboring plants or animals, and the frequency of disturbances such as a fire may all interact to influence what vegetation we see in an area, and in what proportions. Examining the many possible influences on each species is the subject of this course. We will also relate current ecological research to such environmental issues as climate change, exotic species invasions, and the impacts of pollution.
Soft skill Attribute	Discipline and Argumentation
Study/ exam achievements	Students are considered to be competent and pass if at least get 40% of maximum. Final score (NA) is calculated as follow: Paper project (20%), quiz (10%), mid exam (30%), final exam (30%), and soft skill (10%) Final index is defined as follow: A : 75 - 100 AB : 70 - 74.99 B : 65 - 69.99 BC : 60 - 64.99 C : 55 - 59.99 D : 40 - 54.99 E : 0 - 39.99
Form of media	LCD, computer
Learning Method	Class, discussion, and seminar
Literature	a. Fardiaz, S. 1992. <i>Polusi Air dan Udara</i> . Penerbit Kanisius. Yogyakarta. b. Miller, Jr., G.T. 1986. <i>Living in the Environmental</i> . Wadsworth Publishing Company, Belmont. California. c. Soegiarto, A. 2004. <i>Metode Pendugaan Pencemaran Perairan Dengan Indikator Biologi</i> . Airlangga University Press.
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