

Module designation	<i>Integrated Control of Plant Pests and Diseases</i>
Semester(s) in which the module is taught	6 <sup>th</sup>
Person responsible for the module	<i>Prof. Dr. Ir. Rosma Hasibuan, M.Sc.</i>
Language	<i>Indonesian language</i>
Relation to curriculum	<i>Elective</i>
Teaching methods	<i>Lectures (100 minutes) Practicum sessions (170 minutes)</i>
Workload (incl. contact hours, self-study hours)	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
Credit points	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	<ul style="list-style-type: none"> <li>- <i>Students are able to apply the basic concepts and principles of cultivation technology and the development of sustainable agriculture technology</i></li> <li>- <i>Students are able to identify, formulate, solve problems, and apply plant science, plant protection, soil science, socio-economic agriculture, and plant production engineering principles that are oriented towards good agricultural practices (GAP);</i></li> </ul>
Content	<i>The Integrated Control of Plant Pests and Diseases course is a 3 (2-1) credit course. This course studies concept, objectives, principles and system of integrated pest control (IPM); ecological aspect of IPM, economic aspect of IPM, decision making process and integrated techniques of plant pest and disease control safely to nature</i>
Examination forms	<i>oral presentation, essay</i>

Study and examination requirements	<p><i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i></p> <p><i>Performance in theory (100%):</i>  <i>Mid Exam (20%)</i>  <i>Final Exam (20%)</i>  <i>Assignments (40%)</i>  <i>Class participation (10%)</i>  <i>Individual quiz (10%)</i></p> <p><i>Performance in practicum (100%):</i>  <i>Practicum exam (30%)</i>  <i>Pre-test or post-test (10%)</i>  <i>Experiment reports (60%)</i></p>
Reading list	<ol style="list-style-type: none"> <li>1. <i>Hasibuan, R. 2003. Pengendalian Hama Terpadu. Universitas Lampung Press, Bandar Lampung</i></li> <li>2. <i>Metcalf R. L. And W. L. Luckman, 1982. Introduction to Insect Pest Management . A Wiley Interscience Publ, New York</i></li> <li>3. <i>Untung, K. 1993. Pengantar Pengelolaan Hama Terpadu. Gajah Mada University Press. 273 hlm.</i></li> </ol>