

<b>Module Name</b>	<b>Statistics</b>
<b>Module Level, if applicable</b>	Intermediate
<b>Code if Applicable</b>	0210202727
<b>Subtitle, if applicable</b>	-
<b>Courses, if applicable</b>	0210202727 (Statistics)
<b>Semester(s) in which the module is taught</b>	3
<b>Person responsible for the module</b>	Prof. Dr. Ir Aniek Iriany MP
<b>Lecturer</b>	Prof. Dr. Ir Aniek Iriany MP
<b>Language</b>	Indonesian
<b>Relation to curriculum</b>	Compulsory Courses for undergraduate program in Department of Agrotechnology, Faculty of Agriculture and Animal Science.
<b>Type of teaching, contact hours</b>	Lecture, Project, Independent Learning
<b>Workload</b>	<ul style="list-style-type: none"> <li>● Lecture : 2 sks × 50 minutes × 16 weeks</li> <li>● Project : 2 sks × 60 minutes × 16 weeks</li> <li>● Independent Learning 2 sks × 60 minutes × 16 weeks</li> </ul>
<b>Credit points</b>	SKS 2 SCH x (1.5) = 3 ECTS
<b>Requirements according to the examination regulations</b>	<ol style="list-style-type: none"> <li>1. Registered in this course</li> <li>2. Minimum 80% attendance in this course</li> </ol>
<b>Recommended prerequisites</b>	No prerequisites
<b>Module Objectives (Intended learning outcomes)</b>	<p>On successful completion in this course, student should be able to:</p> <ol style="list-style-type: none"> <li>1. Foundational Understanding</li> <li>2. Descriptive Statistics Proficiency</li> <li>3. Inferential Statistics Competence</li> <li>4. Regression Analysis Mastery</li> <li>5. Critical Thinking in Statistical Analysis</li> <li>6. Application in Real-World Contexts</li> </ol>

<p><b>Module Content</b></p>	<p>The module content for the Statistics course involves a comprehensive exploration of foundational statistical concepts and methodologies. Students will begin by understanding the fundamental principles of descriptive statistics, learning to summarize and present data effectively. The course will then progress to inferential statistics, covering hypothesis testing, confidence intervals, and regression analysis, empowering students to draw meaningful conclusions from sample data. Practical applications of statistical techniques in various fields will be emphasized, fostering a real-world understanding of statistical analysis. Students will also be introduced to statistical software tools, enabling them to manipulate and analyze data efficiently. Throughout the module, a focus on critical thinking and the interpretation of statistical results will be emphasized, preparing students to make informed decisions and draw reliable insights from data in diverse academic and professional contexts.</p>
<p><b>Study and examination requirements and forms of examination</b></p>	<p><b>Cognitive:</b> Midterm exam, Final exam, Quizzes, Assignments  <b>Affective:</b> Assessed from the element /variables achievement, namely (a)</p>