

Module Descriptions

A **module** is a self-contained **learning unit** within a higher education program that includes thematically related courses and is assigned a **fixed number of credits**. It follows specific **learning objectives**, includes an **assessment component**, and contributes to achieving the qualifications of a degree program. In some countries, “modules” are also named “courses”.

Please provide a module description for each module. In addition to the compulsory and elective modules, this also includes credited internships and the final thesis.

Please summarize all module descriptions in one document (Module Handbook) and create a table of contents so that the modules can be found easily.

Module designation	<i>Agricultural Science Insights</i>
Semester(s) in which the module is taught	2
Person responsible for the module	<i>Prof. Dr. Ir. Elkawakib Syam'un, MP.</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory / elective / specialisation</i>
Teaching methods	<i>Face-to-face lectures and independent learning</i>
Workload (incl. contact hours, self-study hours)	<ol style="list-style-type: none"> 1. Lectures: $3 \times 50 \times 16 = 2,400$ minutes (26.67 hrs) 2. Structured assignments: (total $3 \times 60 \times 16$) = 2,880 minutes (32 hrs) <ul style="list-style-type: none"> - Individual assignments: $3 \times 120 \times 3 = 1080$ minutes (12 hrs) - Group assignments: $3 \times 120 \times 3 = 1080$ minutes (12 hrs) - Quiz: $3 \times 15 \times 8 = 360$ minutes (4 hrs) - Discussion: $3 \times 30 \times 4 = 2880$ minutes (4 hrs) 3. Independent study: (total $3 \times 60 \times 16$) = 2,880 minutes (32 hrs) <ul style="list-style-type: none"> - Accessing SIKOLA, participating in online discussion forums, reading materials, etc.
Credit points	<i>2 credits equal to 3.24 ECTS</i>
Required and recommended prerequisites for joining the module	<i>Basic Principles of Agronomy</i>
Module objectives/intended learning outcomes	<p><i>In terms of:</i></p> <ul style="list-style-type: none"> - <i>Students are able to explain the concept and scope of agricultural science.</i> - <i>Students are able to describe the contribution of agriculture to the economy, the concept of sustainable agricultural development, and the challenges faced by the agricultural sector in the context of globalization.</i> - <i>Students are able to explain the benefits of biotechnology in the field of agriculture</i>

Content	<ol style="list-style-type: none"> 1. <i>Learning Contract</i> 2. <i>Agriculture in a Broad Sense</i> 3. <i>The Contribution of Agriculture to the Economy</i> 4. <i>Agricultural Systems</i> 5. <i>Challenges in the Agricultural Sector in the Era of Globalization</i> 6. <i>Concepts of Modern and Sustainable Agricultural Development</i> 7. <i>Organic Farming</i> 8. <i>Factors Influencing Agricultural Enterprises</i> 9. <i>Post-Harvest Handling and Processing</i> 10. <i>The Application of Biotechnology in Agriculture</i>
Examination forms	<i>Quiz, individual assignment, group assignment, discussion</i>
Study and examination requirements	<i>To successfully pass the module, students must attend at least 80% of the classes, complete all assignments and exams, and obtain a final grade of at least 45% (minimum passing grade: D).</i>
Reading list	<ol style="list-style-type: none"> 1. <i>Kasryno,F.(Ed.),1984 Prospek Pembangunan Ekonomi Pedesaan Indonesia. Jakarta:Yayasan Obor Indonesia</i> 2. <i>Mellor,J.W.,1966. The Economic of Agricultural Development. New York : Cornell University Press.</i> 3. <i>Hadisapoetro, S. 1970. Modernisasi Usahatani Sebagai Landasan Pembangunan Pertanian. Bully Fakultas Pertanian No, 94 (1970)</i> 4. <i>Dumasari. 2020. Pembangunan Pertanian: Mendahulukan Yang Tertinggal. Cetakan I, Desember 2020 Penerbit PUSTAKA PELAJAR (Anggota IKAPI).</i>