

2023 MODULE DESCRIPTION

BACHELOR PROGRAM
AGRICULTURAL ENGINEERING
FACULTY OF AGRICULTURE
HASANUDDIN UNIVERSITY
2023



Engineering Drawing Practicum Semester 1

Module designation	<i>Engineering Drawing Practicum</i>
Semester(s) in which the module is taught	<i>I</i>
Person responsible for the module	<i>Dr. Iqbal, STP., M.Si Dr. Ir. Daniel Useng, M.Eng.Sc Dr. Abdul Azis, STP., M.Si Samsuar, STP., M.Si</i>
Language	<i>Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lab works</i>
Workload (incl. contact hours, self-study hours)	<i>(Estimated) Total workload: 1 SKS = 1.7 ECTS = 45.9 hours (1 ECTS around 27 hours) > Laboratory session = 12 hours > Lab report = 30 hours > Virtual experiment = 1 hours > Final examination = 2.5 hours</i>
Credit points	<i>1 SKS = 1.7 ECTS</i>
Required and recommended prerequisites for joining the module	
Module objectives/intended learning outcomes	<i>ILO 5: Use techniques, skills, and modern tools necessary for agricultural engineering practices; (Skill 1) ILO 6: manage and utilize agricultural resources effectively, efficiently, and sustainably; (Skill 2)</i>
Content	<ul style="list-style-type: none"> • <i>Students make a technical drawing in agriculture in accordance with ISO standards</i> • <i>[Students have the skills to make various types of technical drawings in the field of agriculture</i> • <i>Students are able to make a drawing</i> • <i>design of agricultural tools and machinery</i>
Examination forms	<i>Drawing, Writing and Simulation</i>
Study and examination requirements	<i>Completion of all laboratory project</i>
Reading list	<ol style="list-style-type: none"> 1. <i>G. Takeshi Sato dan N. Sugiarto Hartanto, 2005. Menggambar Mesin Menurut Standar ISO. Pradnya Paramita, Jakarta</i> 2. <i>Cilin H. Simmons and Dennis E. Maguire, 2004. Manual of Engineering Drawing. Elsevier Newnes.</i> 3. <i>David A. Madsen and David P. Madsen, 2012. Engineering Drawing and Design, Fifth Edition. Delmar, USA.</i>