



**HASANUDDIN
UNIVERSITY**

Agricultural
Engineering
Bachelor Program

2023 MODULE DESCRIPTION

BACHELOR PROGRAM
AGRICULTURAL ENGINEERING
FACULTY OF AGRICULTURE
HASANUDDIN UNIVERSITY
2023



Engineering Professional Ethics Semester 2

Module designation	<i>Engineering Professional Ethics</i>
Semester(s) in which the module is taught	<i>II</i>
Person responsible for the module	<i>Prof. Dr. Ir. Ahmad Munir, M.Eng Prof. Dr. Ir. Mursalim</i>
Language	<i>Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lecture</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	<i>-</i>
Module objectives/intended learning outcomes	<i>ILO 3: Apply knowledge of mathematics, sciences, and engineering principles in agricultural fields; (Knowledge 1) ILO 4: Use quantitative analysis, information technology and critical thinking in agricultural engineering profession; (Knowledge 2) ILO 6: manage and utilize agricultural resources effectively, efficiently, and sustainably;</i>
Content	<p>This course provides a conceptual framework that encourages engineers to reflect on how they can best realize the benefits of the application of their skills. In order to do so they need to allow time and effort to assess their immediate professional tasks in a broader human context. One of the reasons for the previous and current lack of such engagement is undoubtedly that the technical core of engineering is intellectually a very demanding activity. The content of learning are: Definition of ethics and engineering, Engineers as a Profession, Issue in ethical engineer, Traditional ethical viewpoints, Ethics in other professions, Reflection, Aspirational Engineering Ethics, and Practical Outcomes in Engineering Education, Institutions, Industry and Work Practices, Positioning Engineering in the Public and Intellectual Mainstreams, Aspirational Role for Engineering in International Political Initiatives and in Ethical Ethos Across Cultures</p>
Examination forms	<i>Writing and oral exam</i>
Study and examination requirements	<i>Attendance above 80%</i>

Reading list	<i>Bowen, WR., 2009. Engineering Ethics. Outline of An Aspirational Approach. Springer, London</i>
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