

Module designation	<i>Post Harvest Technology</i>
Semester(s) in which the module is taught	<i>4th</i>
Person responsible for the module	<i>Prof. Dr. Ir. Soesiladi Esti Widodo. M.Sc.</i>
Language	<i>Indonesian language</i>
Relation to curriculum	<i>Compulsory</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"> - <i>Student Able to apply the basic concepts and principles of cultivation technology and the development of sustainable agriculture technology</i> - <i>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>
Content	<i>Post Harvest Technology course is a 3 (2-1) credit course. This course contains studies on: Structure and function of fruits, vegetables and ornamental plants, chemical composition of harvested products, pre and postharvest physiology, harvest technology, aspects Plant Pests and Diseases (PPD), and postharvest.</i>
Examination forms	<i>oral presentation, essay</i>

<p>Study and examination requirements</p>	<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>
<p>Reading list</p>	<ol style="list-style-type: none"> 1. <i>Siddiq, M.. 2012. Tropical and subtropical fruits : postharvest physiology, processing and packaging. John Wiley & Sons, Inc. 637p.</i> 2. <i>Yahia, E. M. and A. Carrillo-López. 2019. Postharvest Physiology and Biochemistry of Fruits and Vegetables. Woodhead Publishing The Officers' Mess Business Centre, Royston Road, Duxford, CB22 4QH, United Kingdom. 490p.</i> 3. <i>Kumar, R.. 2017. Insect Pests of Stored Grain: Biology, Behavior, and Management Strategies. Apple Academic Press Inc. Waretown, NJ . 413p.</i> 4. <i>Wills, R. and J. Golding. 2016. Postharvest: an introduction to the physiology and handling of fruit and vegetables. 6th ed. CABI, Nosworthy Way Wallingford, Oxfordshire OX10 8DE UK. 322p.</i> 5. <i>Snowdon, A.L. 2010. A Colour Atlas of Post-Harvest Diseases and Disorders of Fruits and Vegetables. Volume 2: Vegetables. Manson Publishing Ltd. 73 Corringham Road, London NW11 7DL, UK. 417p.</i> <i>George, R.AT. 2011. Tropical Vegetable Production. CABI. 236p.</i>