

Module designation	Laboratory Work in Phytohormone
Semester(s) in which the module is taught	Odd/5th
Person responsible for the module	Nur Aeni Ariyanti, Ph.D.
Language	Bahasa Indonesia
Relation to curriculum	Elective Course
Teaching methods	Lab works, project, seminar, exam
Workload (incl. contact hours, self-study hours)	Total workload is 45 hours per semester which consists of pretest, preparation, practice, report making and response for 16 weeks
Credit points	1 SKS (1.6 ETCS)
Required and recommended prerequisites for joining the module	Biochemistry, Plant Physiology
Module objectives/intended learning outcomes	<ul style="list-style-type: none"> <li>- PLO-1</li> <li>- PLO-5</li> <li>- PLO-9</li> </ul>
Content	This course will discuss about the structure, biosynthesis, transport and metabolism of plant hormone for the plant growth and development. The discussion also include the application of the plant hormone on the Agricultural field and their regulation.
Examination forms	Presence, quiz, final semester exam, team based project.

Study and examination requirements	<p>The final mark will be weight as follow:</p> <table><tr><td>NO</td><td>Assessment Techniques</td><td>Percentage Weight Assessment (%)</td><td>Information</td></tr><tr><td>1</td><td>Cognitive</td><td>50</td><td>Maximum assessment weight accumulation 50%</td></tr><tr><td rowspan="3"></td><td>Presence</td><td>5</td><td></td></tr><tr><td>Quiz</td><td>10</td><td></td></tr><tr><td>Final Semester Exam</td><td>35</td><td></td></tr><tr><td>2</td><td>Participatory</td><td>50</td><td>Maximum assessment weight accumulation 50%</td></tr><tr><td rowspan="2"></td><td>Team Based Project</td><td>50</td><td></td></tr><tr><td><b>Total</b></td><td><b>100</b></td><td></td></tr></table>	NO	Assessment Techniques	Percentage Weight Assessment (%)	Information	1	Cognitive	50	Maximum assessment weight accumulation 50%		Presence	5		Quiz	10		Final Semester Exam	35		2	Participatory	50	Maximum assessment weight accumulation 50%		Team Based Project	50		<b>Total</b>	<b>100</b>	
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Reading list	<p>A. Davies, P.J. 1995. <i>Plant Hormones. Physiology, Biochemistry and Molecular Biology</i>. Kluwer</p> <p>B. Cutler, Sean, and Dario Bonetta, eds. 2011. <i>Plant Hormones: Methods and Protocols</i>. 2nd ed., vol. 495 of <i>Methods in Molecular Biology</i>. Totowa, NJ: Humana Press.</p> <p>C. Taiz, Lincoln, Ian Max Møller, Angus S. Murphy, and Eduardo Zeiger. 2023. <i>Plant Physiology and Development</i>. 7th ed. New York, NY: Sinauer Associates / Oxford University Press.</p> <p>D. Salisbury, F.B.&amp; C.W. Ross. 1999. <i>Plant Physiology</i>. Wadsworth Publishing Co.</p> <p>E. Taiz, L. &amp; Zeiger. 1998. <i>Plant Physiology</i>. Sinauer Association, Inc</p>																													