Module designation	Biometrics
Semester(s) in which the module is taught	Even/2nd
Person responsible for the module	Yuni Wibowo, M.Pd. and drh.Anggitya Nareswari, M.Sc.
Language	Bahasa Indonesia
Relation to curriculum	Compulsory
Teaching methods	Lecture, project, seminar, exam
Workload (incl. contact hours, self-study hours)	Total workload is 91 hours per semester which consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes individual study per week for 16 weeks.
Credit points	2 SKS (3.2 ECTS)
Required and recommended prerequisites for joining the module	Statistic
Module objectives/intended learning outcomes	PLO-2 PLO-5 PLO-6 PLO-8 PLO-10
Content	This course contains the application of statistics to analyze biological research data which includes the application of data analysis using descriptive statistical analysis techniques, inferential statistical analysis parametric and nonparametric.
Examination forms	Presence, task, quiz, mid-semester exam, final semester exam, case study, team based project.

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<td>Study and examination requirements</td>
<td>The final mark will be weight as follow:
<table>
<tr><th>NO</th><th>Assessment Techniques</th><th>Percentage Weight Assessment (%)</th><th>Information</th></tr>
<tr><td>1</td><td>Cognitive</td><td>50</td><td>Maximum assessment weight accumulation 50%</td></tr>
<tr><td rowspan="4"></td><td>Presence</td><td>5</td><td></td></tr>
<tr><td>Task</td><td>5</td><td></td></tr>
<tr><td>Quiz</td><td>5</td><td></td></tr>
<tr><td>Mid-semester exams</td><td>15</td><td></td></tr>
<tr><td></td><td>Final Semester Exam</td><td>20</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="3"></td><td>Case study</td><td>25</td><td></td></tr>
<tr><td>Team Based Project</td><td>25</td><td></td></tr>
<tr><td>Total</td><td>100</td><td></td></tr>
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<td>Reading list</td>
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A. Kirk, R.E. (2012). Experimental design: Procedures for behavioral science. Pacific Grove: Brooks/Colc l'ublishing Conrpanv.
B. Bambang Subali (2009). Metode Penelitian Biologi. Diktat mata kuliah. Jurdik Biologi FMIPA UNY.
C. Frost, J. (2020). Regression Analysis: An Intuitive Guide for Using and Interpreting Linear Models. Statistics By Jim Publishing
D. Kleinbaum, D. and Kupper, L. (2013). Applied regression analysis and other multivariable methods 5th Ed. Cengage Learning
E. Janke, S.J. & Tinsley. (2007). Introduction to linear models and statistical inference. New York: A John Wiley & ons, Inc., Publication.
F. Miller, M.K (2019). Nonparametric statistics for social and behavioral sciences. Chapman and Hall/CRC.

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