<table>
<tr><td>Module designation</td><td>Bivariate Research Methodology for Biology</td></tr>
<tr><td>Semester(s) in which the module is taught</td><td>Even/4th</td></tr>
<tr><td>Person responsible for the module</td><td>Suhandoyo, MS. and Dr. Himmatul Hasanah, MP.</td></tr>
<tr><td>Language</td><td>Bahasa Indonesia</td></tr>
<tr><td>Relation to curriculum</td><td>Compulsory</td></tr>
<tr><td>Teaching methods</td><td>Lecture, project, seminar, exam</td></tr>
<tr><td>Workload (incl. contact hours, self-study hours)</td><td>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.</td></tr>
<tr><td>Credit points</td><td>2 SKS (3.2 ECTS)</td></tr>
<tr><td>Required and recommended prerequisites for joining the module</td><td>Biometry</td></tr>
<tr><td>Module objectives/intended learning outcomes</td><td>PLO-2, PLO-6, PLO-8, PLO-11</td></tr>
<tr><td>Content</td><td>This course discusses the nature, principles and procedure of research in biology including normal distribution or random distribution in the forms of monovariate and bivariate descriptive research.</td></tr>
<tr><td>Examination forms</td><td>Presence, task, quiz, mid-semester exam, final semester exam, case study, team based project.</td></tr>
<tr><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="3"></td><td>Presence</td><td>5</td><td></td></tr>
<tr><td>Task</td><td>20</td><td></td></tr>
<tr><td>Final Semester Exam</td><td>25</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>Total</td><td>100</td><td></td></tr>
</table></td></tr>
</table>

Reading list	A. Bambang Subali. (2011). Biometri. Jakarta: Universitas Terbuka. B. Bambang Subali (2015). Metode Penelitian Biologi dan Biologi Terapan. Yogyakarta: UNY Press. C. Barnes, F.S., Gandhi, O.P., Hietanen, M. et all. (ed). (2008). Identification research needs relating to potential biological or adverse health effects or wireless communication devices. United States of America: The National Academy Sciences. D. Hacking, R.R. (2003). Methods and applications of linear models: Regression and analysis of variance. New Jersey: John Wiley & Sons inc. E. Hogg, R.V. & Tanis, E.A. (2001). Probability and statistical inference. New Jersey: Prentice-Hall, Inc. F. Janke, S.J. & Tinsley. (2007). Introduction to linear models and statistical inference. New York: A John Wiley & ons, Inc., Publication. G. Moed, H.F. & Glanzel, W. (2004). Handbook of Quantitative Science and Technology Research. New York: Kluwe Academic Publishers. H. Buku-buku referensi lainnya dalam bentuk buku elektronik.