Module designation	*Nonparametric Statistics*
Semester(s) in which the module is taught	*5*
Person responsible for the module	*Elly Arliani, M.Si.*
Language	*Bahasa Indonesia*
Relation to curriculum	*Elective course*
Teaching methods	*150 minutes lectures and 180 minutes structured activities per week.*
Workload (incl. contact hours, self-study hours)	*Total workload is 136 hours per semester which consists of 150 minutes lectures, 180 minutes structured activities, and 180 minutes self-study per week for 16 weeks.*
Credit points	*3*
Required and recommended prerequisites for joining the module	*FMI6202 - Statistics*
Module objectives/intended learning outcomes	*After taking this course, the students have the ability to:* *CO1. Demonstrate respect for the views, opinions or original findings of others.* *CO2. Demonstrate the ability to think critically, creatively, innovatively, and systematically in the development of science and technology, both independently and in groups.* *CO3. Demonstrate the ability to convey mathematical ideas in writing and verbally based on values of honesty* *CO4. Understand statistical inference* *CO5. Distinguish parametric and nonparametric statistics tests* *CO6. Understand the one-sample case test and be able to apply it.* *CO7. Understand the case of two related samples test and be able to apply it.* *CO8. Understand the case of two independent samples test and be able to apply it.* *CO9. Understand the case of k related samples test and be able to apply it.* *CO10. Understand the case of k independent samples test and beable to apply it.* *CO11. Understand the measures of correlation and their tests of significance and be able to apply it.* *CO12. Resolve the problem of using concepts in nonparametric statistics manually or using statistical software.*

<table>
<tr><td>Content</td><td>his course discusses statistical inference, the one-sample case, the case of two related samples, the case of two independent samples, the case of k related samples, the case of k independent samples, and measures of correlation and their tests of significance.</td></tr>
<tr><td>Examination forms</td><td>CO1: Attitude assessment is carried out at each meeting by observation and / or self-assessment techniques using the assumption that basically every student has a good attitude.</td></tr>
<tr><td>Study and examination requirements</td><td>The student is given a value of very good or not good attitude if they show it significantly compared to other students in general. The result of attitude assessment is not a component of the final grades, but as one of the requirements to pass the course. Students will pass from this course if at least have a good attitude.

The final mark will be weight as follow:
<table>
<tr><th>No</th><th>CO</th><th>Assessment Object</th><th>Assessment Technique</th><th>Weight</th></tr>
<tr><td>1</td><td>CO 1</td><td>a. Presentation
b. Discussion</td><td>Observation</td><td>5%
10%</td></tr>
<tr><td>2</td><td>CO4, CO5, CO6, CO7, CO8, CO9, CO10, CO11</td><td>a. Class participation (during discussions and presentations)
b. Quiz
c. Assignment</td><td>Observation

Written test
Written test</td><td>10%

15%
15%</td></tr>
<tr><td>3</td><td>CO4, CO5, CO6, CO7</td><td>Mid-Term Examination</td><td>Written test</td><td>25%</td></tr>
<tr><td>4</td><td>CO8, CO9, CO10, CO11</td><td>Final Examination</td><td>Written test</td><td>25%</td></tr>
<tr><td colspan="4">Total</td><td>100%</td></tr>
</table></td></tr>
<tr><td>Reading list</td><td>1. Siegel Sidney and Castellan J.N. 1988. Nonparametric Statistic for the Behavioral Sciences. NewYork: Mc.GrawHill Co.
2. Conover, W.J. 1980. Practical Nonparametric Statistics. NewYork: John Wiley and Son
3. Wijaya. 2000. Statistika Nonparametrik (Aplikasi Program SPSS). Bandung:lfabeta</td></tr>
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