Module designation	*Introduction to Regression Analysis*
Semester(s) in which the module is taught	*4*
Person responsible for the module	*Please indicate a specific person.*
Language	*Bahasa Indonesia*
Relation to curriculum	*Compulsory 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	*MAT6310 - Data Analysis and Visualization*
Module objectives/intended learning outcomes	*CO1. Demonstrate a collaborative attitude and independence in carrying out individual and group tasks* *CO2. Communicate ideas for solving problems in regression analysis both in writing and orally* *CO3. Understand the concepts and methods of regression analysis* *CO4. Apply the concepts and methods of regression analysis and interpret the output using statistical software.*
Content	*This course covers correlation and linear regression, selecting the best regression, and model validation.*
Examination forms	*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.*

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<td>Study and examination requirements</td>
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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>CO 2, CO 3, CO 4</td><td>a. Individual assignment
b. Group assignment
c. Quiz
d. Midterm
e. Final test</td><td>Written</td><td>10%
10%
20%
20%
25%</td></tr>
<tr><td colspan="4">Total</td><td>100%</td></tr>
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<td>Reading list</td>
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1. Kutner, M.H., Nachtscheim, C. J., Neter, J. & Li, W. 2005. Applied Linear Statistical Models. New York: McGrawHill/Irwin.

2. Myers, R.H. 1996. Classical and Modern Regression with Applications. Boston : PWS-KENT Publishing Company

3. N. R. Draper and H. Smith, 1998. Applied regression analysis. 3rd edition. New York: Wiley

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