Module designation	*Integral Calculus*
Semester(s) in which the module is taught	*2*
Person responsible for the module	*Dra. Endang Listyani, M.S*
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	*Differential Calculus (MAT6302)*
Module objectives/intended learning outcomes	*After taking this course the students have ability to:* *CO1. Showing respect for the other's opinion* *CO2. Develop knowledge of Integral Calculus in a systematic, critical, creative, and innovative way* *CO3. Communicate ideas in solving problems related to Integral in writing or verbally* *CO4. understand the Integral concept for the basis of self-development in work and further study* *CO5. Exploring, generalizing and proving theorems related to Integral using logical reasoning*
Content	*The course contains discussion on Indefinite integral, definite integral, fundamental theorem of integral, applications of the integral, transcendent function, integration techniques, indeterminate forms, and improper integrals.*
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. The student is given a value of very good or not good attitude if they show it significantly compared to other students in general*

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<td>Study and examination requirements</td>
<td>
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 2</td><td>presentation</td><td>Observation</td><td>10%</td></tr>
<tr><td></td><td>CO 3,CO 4, CO 5,</td><td>a. Individual assessment
b. Group assessment
c. Quiz
d. Mid exam
e..Final exam</td><td>Written test</td><td>10%
10%
20%
25%
25%</td></tr>
<tr><td colspan="3"></td><td>Total</td><td>100%</td></tr>
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<td>Reading list</td>
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1. Varberg Dale dan Purcell E.J. (2001). Kalkulus Jilid 1 (Edisi VII), Batam: Interaksa Morrill, W.K. 1969. Analytic Geometry. Scranton, Pennsylvania : International textbook Company
2. Stroud, usK.A. Engineering mathematics; with addition by Dexter J. Booth. -5th ed.
3. Leithold (2002) Kalkulus jilid 1, Jakarta: Erlangga

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