Module Handbook

Module's Name	Basic Mathematics
Module's Grade	Undergraduate Program (S-1)/Bachelor
Abbreviation /code (if any)	
Subtitles (if any)	
Courses included in the module (if any)	
Semester/year	1/1st year
Module Coordinator	Yuliani Puji Astuti, M.Si
Lecturer	Team
Language used	Indonesian
Classification in the curriculum	Compulsory course/~~elective course~~
Learning format/number of class hours per week	Per week consists of: 3 hours face to face (1 hour face to face = 50 minutes/hour)
Workload	3x50 minutes face to face, 3x60 minutes structured tasks, 3x60 minutes independent learning, for 14 weeks, a total of 126 hours face-to-face/semester
Credit Unit	3 CU = 4.77 ECTS
Precondition course	-
Learning Outcome	Knowledge: 1. Understand real functions, limit functions, their derivatives and applications, integrals and their applications, matrices and solutions for systems of linear equations. Attitude and Social: 2. Demonstrate good scientific manners and critical thinking.
Content	Assessment of functions, limit functions, continuity of functions, derivatives of functions and their applications, integrals and their applications, as well as matrices for solving systems of linear equations.
Attribut soft skill	Critical thinking

<table>
<tr><td>Assessment of CLO/exam</td><td>Students are considered competent and pass if they get at least a minimum test score of 68 (Mid and Final), and structured activities (assignments/T) and participatory activities (P)
The final grade (NA) is calculated according to the formula:
$NA = \frac{(2xP)+(3xT)+(2xMid)+(3xFinal)}{10}$
Convert the 0-100 scale value to a 0-4 scale and the letters are arranged as follows.

<table>
<tr><th>Alphabet</th><th>Score</th><th>Interval</th></tr>
<tr><td>A</td><td>4,00</td><td>85 ≤ A < 100</td></tr>
<tr><td>A-</td><td>3,75</td><td>80 ≤ A− < 85</td></tr>
<tr><td>B+</td><td>3,50</td><td>75 ≤ B+ < 80</td></tr>
<tr><td>B</td><td>3,00</td><td>70 ≤ B < 75</td></tr>
<tr><td>B-</td><td>2,75</td><td>65 ≤ B− < 70</td></tr>
<tr><td>C+</td><td>2,50</td><td>60 ≤ C+ < 65</td></tr>
<tr><td>C</td><td>2,00</td><td>55 ≤ C < 60</td></tr>
<tr><td>D</td><td>1,00</td><td>40 ≤ D < 55</td></tr>
<tr><td>E</td><td>0,00</td><td>0 ≤ E < 40</td></tr>
</table>
</td></tr>
<tr><td>Media</td><td>Handbook
PPT</td></tr>
<tr><td>Reference</td><td>1. Purcel, EJ and D. Verberg. 1996. Kalkulus dan Geometri Analitik I. Indonesian translation. Susila B. Kartasasmita dan Rawuh. Erlangga, Jakarta.
2. Finney, R.L., Weir, M.D., Giordano F.R., 2001. Thomas' Calculus 10th Edition. USA : Addison-Wesley Publishing Company</td></tr>
<tr><td>Date of Last Amendment</td><td></td></tr>
<tr><td>Note</td><td></td></tr>
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