MODULE HANDBOOK

<table>
<tr><td colspan="2">Module name</td><td colspan="5">Statitsical Quality Control</td></tr>
<tr><td colspan="2">Module level, if applicable</td><td colspan="5">3rd year</td></tr>
<tr><td colspan="2">Code, if applicable</td><td colspan="5">SST-501</td></tr>
<tr><td colspan="2">Semester(s) in which the module is taught</td><td colspan="5">5th (Fifth)</td></tr>
<tr><td colspan="2">Person responsible for the module</td><td colspan="5">Dina Tri Utari, S.Si., M.Sc.</td></tr>
<tr><td colspan="2">Lecturer</td><td colspan="5">Ayundyah Kesumawati, S.Si., M.Si.
Sekti Kartika Dini, S.Si., M.Sc.</td></tr>
<tr><td colspan="2">Language</td><td colspan="5">Bahasa Indonesia</td></tr>
<tr><td colspan="2">Relation to curriculum</td><td colspan="5">Compulsory course in the third year (5th semester) Bachelor Degree</td></tr>
<tr><td>Types of teaching and learning</td><td>Class size</td><td>Attendance time (hours per week per semester)</td><td>Form of active participation</td><td colspan="2">Workload (hours per semester)</td><td></td></tr>
<tr><td rowspan="4">Lecture</td><td rowspan="4">50-60</td><td rowspan="4">1.67</td><td rowspan="4">Problem solving</td><td>Face to face teaching</td><td>23.33</td></tr>
<tr><td>Structured activities</td><td>32</td></tr>
<tr><td>Independent study</td><td>32</td></tr>
<tr><td>Exam</td><td>3.33</td></tr>
<tr><td colspan="2">Total Workload</td><td colspan="5">90.67 hours</td></tr>
<tr><td colspan="2">Credit points</td><td colspan="5">2 CUs / 3.34 ECTS</td></tr>
<tr><td colspan="2">Requirements according to the examination regulations</td><td colspan="5">Minimum attendance at lectures is 75%. Final score is evaluated based on quiz, assignment, mid-term exam, and final exam.</td></tr>
<tr><td colspan="2">Recommended prerequisites</td><td colspan="5">Students have taken Statistical Method 1 (SST - 103) .</td></tr>
<tr><td colspan="2">Related course</td><td colspan="5">Statistical Method 1 (SST - 103)</td></tr>
<tr><td colspan="2">Module objectives/intended learning outcomes</td><td colspan="5">After completing this course, the students have ability to understand:
CO 1 Explain the concept Statistics in quality assurance correctly, discrete distribution, continue distribution and sampling distribution
CO 2 Explain the concept basic regarding estimate and Hypothesis Test
CO 3 Explain the concept and make some control chart traits properly use software R</td></tr>
<tr><td colspan="2">Content</td><td colspan="5">After completing this course, the students have ability to understand:
1. Discrete Distribution
2. Continue Distribution
3. Sampling Distribution
4. Estimation and Hypothesis Testing
5. Variable Control Chart
6. Attribute Control Chart
7. Acceptance Sampling</td></tr>
<tr><td colspan="2">Study and examination requirements and forms of</td><td colspan="5">The final mark will be weighted as follows:</td></tr>
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examination	No	Assessment Components	Assessment Type	Weight (percentage)
	1	CO 1	Assignment, Midterm Exam	35%
	2	CO 2	Assignment and Quiz	20%
	3	CO 3	Assignment and Final Exam	45%
Media employed	Google Classroom, relevant websites, slides (power points), video, interactive media, white-board, laptop, LCD projector			
Reading list	1. Walpole, R. E., 2011. Probability & Statistics for engineers & scientist 9th edition. Pearson Education. 2. Montgomery, D.C., 1991, Statistical Process Control in Manufacturing, Marcell Dekker, New York 3. Montgomery, D.C., 1996, Pengantar Pengendalian Kualitas Statistik (terjemahan), GMU Press,Yogyakarta 4. Ariani, Dorothea Wahyu., 2004, Pengendalian Kualitas Statistik : pendekatan kuantitatif dalam Manajemen, Yogyakarta.			

Mapping CO, PLO, and ASIIN's SSC

ASIIN		PLO											
		E	N	T	H	U	S	I	A	S	T	I	C
Knowledge	a												
	b												
	c												
	d												
Ability	e										CO1		
	f												
Competency	g												
	h										CO2		
	i												
	j												
	k												
	l										CO3		