MODULE HANDBOOK

<table>
<tr><td colspan="2">Module name</td><td colspan="4">General Insurance</td></tr>
<tr><td colspan="2">Module level, if applicable</td><td colspan="4">3rd year</td></tr>
<tr><td colspan="2">Code, if applicable</td><td colspan="4">SST-612</td></tr>
<tr><td colspan="2">Semester(s) in which the module is taught</td><td colspan="4">6th (sixth)</td></tr>
<tr><td colspan="2">Person responsible for the module</td><td colspan="4">Achmad Fauzan, S.Pd., M.Si.</td></tr>
<tr><td colspan="2">Lecturer</td><td colspan="4">Mujiati Dwi Kartikasari, S.Si., M.Sc.</td></tr>
<tr><td colspan="2">Language</td><td colspan="4">Bahasa Indonesia</td></tr>
<tr><td colspan="2">Relation to curriculum</td><td colspan="4">Elective course in the third year (6th 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></tr>
<tr><td rowspan="4">Lecture</td><td rowspan="4">50-60</td><td rowspan="4">2.5</td><td rowspan="4">Problem solving</td><td>Face to face teaching</td><td>35</td></tr>
<tr><td>Structured activities</td><td>48</td></tr>
<tr><td>Independent study</td><td>48</td></tr>
<tr><td>Exam</td><td>5</td></tr>
<tr><td colspan="2">Total Workload</td><td colspan="4">136 hours</td></tr>
<tr><td colspan="2">Credit points</td><td colspan="4">3 CUs / 5.1 ECTS</td></tr>
<tr><td colspan="2">Requirements according to the examination regulations</td><td colspan="4">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="4">Students have taken Introduction to Probability (SST-205).</td></tr>
<tr><td colspan="2">Related course</td><td colspan="4">Statistical Consulting (SST-603)</td></tr>
<tr><td colspan="2">Module objectives/intended learning outcomes</td><td colspan="4">After completing this course, the students have ability to:
CO 1. describe the basic concepts of risk modeling
CO 2. apply risk models in solving basic general insurance problems
CO 3. solve basic general insurance problems</td></tr>
<tr><td colspan="2">Content</td><td colspan="4">Claim frequency distribution: discrete distribution, (a,b,0) class of distribution
Claim severity distribution: continuous distribution, tail properties of claim severity, effects of coverage modification
Aggregate loss models: individual and collective risk models
Claims reserving: chain ladder method, Bornhuetter-Ferguson method, GLM</td></tr>
<tr><td colspan="2">Study and examination requirements and forms of examination</td><td colspan="4">The final mark will be weighted as follows:
No | Assessment components | Assessment types | Weight (percentage)
1 | CO 1 | Quiz, assignment | 40%
2 | CO 2 | Mid-term exam | 30%
3 | CO 3 | Final exam | 30%</td></tr>
<tr><td colspan="2">Media employed</td><td colspan="4">Google Classroom, relevant websites, slides (power points), video, interactive media, white-board, laptop, LCD projector</td></tr>
<tr><td colspan="2">Reading list</td><td colspan="4">1. Klugman, S.A., Panjr, H.H., and Wilmot, G.E. 2004. “Loss Models: From Data to Decision”, 2nd Edition. John Wiley & Sons, Inc.
2. Tse, Y. 2009. “Nonlife Actuarial Models: Theory, Methods, and Evaluation”. Cambridge University Press.
3. Wuthrich & Merz. 2008. Stochastic Claims Reserving Methods in Insurance. John Wiley & Sons, Ltd.</td></tr>
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Mapping CO, PLO, and ASIIN's SSC

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