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MODULE HANDBOOK

Module name	Analisis Regresi Terapan (Applied Regression Analysis)
Module level, if applicable	Bachelor
Code, if applicable	MMS -2421
Subtitle, if applicable	-
Courses, if applicable	Analisis Regresi Terapan (Applied Regression Analysis)
Semester(s) in which the module is taught	3 / second year
Person responsible for the module	Zulaela, Drs., Dipl.Med.Stats., M.Si.
Lecture(s)	Zulaela, Drs., Dipl.Med.Stats., M.Si.
Language	Bahasa Indonesia
Classification within the Curriculum	Compulsory course
Teaching format /class hours per week during the semester:	2 hours lecture and 2 hours laboratory session
Workload	– 2 hours lecture+ 4 hours individual study, 14 weeks lecture per semester, – 2 hours laboratory session + 2 hours individual study, 10 weeks laboratory session per semester, – total 152 hours a semester
Credit points	3
Requirements	MMS-1409 Metode Statistika II (Statistical Methods II)
Module objectives/intended learning outcomes	After completing this course, the students should be able to: CO 1. Estimate regression coefficients. CO 2. Explain the basis for developing the best linear regression model. CO 3. Analyse a real data set and interpret the output of statistical software in a correct way.
Content	The teaching materials consist of simple linear regression and correlation, multiple linear regression, categorical independent variables, choice of the best model, and residual analysis.
Study and examination requirements and forms of examination	The weight of assignments will be as follows: i. Quiz, home work, laboratory work 30% ii. Mid semester exam 35% iii. Final exam 35%

	Grade scale: A: 85<score≤100 A-: 80<score≤85 A/B: 75<score≤80 B+: 70<score≤75 B: 65<score≤70 B-: 60<score≤65 B/C: 55<score≤60 C+: 50<score≤55 C: 45<score≤50 C-: 40<score≤45 C/D: 35<score≤40 D+: 30<score≤35 D: 20<score≤30 E: 0≤score≤20
Media employed	Computer and LCD projectors, whiteboards
Reading List	1. **Drapper, N.R. & Smith, H.** 1998. *Applied Regression Analysis*, John Wiley & Sons. New York. 2. **Montgomery, D. C. & Peck, E.A.** 1992. *Introduction to Linear Regression Analysis*. John Wiley & Sons. New York. 3. **Myer, R.H**. 1990. *Classical and Modern Regression with Applications*. PWS-KENT. Boston. 4. **Nater, J., Wasserman, W. & Kutner, M.H.** 1990. *Applied Linear Statistical Models*. Richard D. Irwin, Inc. Illinois. 5. **Zulaela.** 2016. *Modul Praktikum Analisis Regresi Terapan*. FMIPA UGM. Yogyakarta.

CO and PLO mapping

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7
CO 1		x					
CO 2		x					
CO 3			x	x			