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MODULE HANDBOOK

Module name	Analisis Variansi Terapan (Applied Analisis of Variance)
Module level, if applicable	Bachelor
Code, if applicable	MMS 2424
Subtitle, if applicable	-
Courses, if applicable	Analisis Variansi Terapan (Applied Analisis of Variance)
Semester(s) in which the module is taught	4 / second year
Person responsible for the module	Prof. Dr. Sri Haryatmi Kartiko, M.Sc.
Lecture(s)	Prof. Dr. Sri Haryatmi Kartiko, M.Sc.. Herni Utami, M.Si
Language	Bahasa Indonesia
Classification within the Curriculum	~~Compulsory course~~/ Elective Studies
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 persemester, • 2 hours laboratory session + 2 hours individual study, 10 weeks laboratory session per semester, • total 156 hours a semester
Credit points	3
Requirements	MMS-1409 Metode Statistika II (Statistical Methods II)
Module objectives/intended learning outcomes	By the end of this course, you should see improvement in your ability to: CO 1. Obtain anova table for one to multy way anava CO 2. Conduct the hypothesis testing and multiple comparison CO 3. Obtain manova table for one and two eay CO 4. Conduct the hypothesis testing and multiple comparison for manova
Content	One way Anova : model 1(fixed effect) and model II(random effect). Topics in Analysis of Variance such as multiple comparison by Tukey, Scheffe, Bonferoni methods, Two Way Anova : Model I(fixed effect), model II(random effect), model III (mixed effect). Multi Way Anova : Model I(fixed effect), model II(random effect), model III (mixed effect). One Way and Two Way Analysis of Covariance(Anacova)
Study and examination requirements and forms of examination	The weight of assignments will be as follows: i. Quiz, homework 15% ii. Mid semester exam 40% iii. Final exam 45% Grade scale: A $85 \leq$ score A/B $75 \leq$ score < 85 B $60 \leq$ score < 75 B/C $50 \leq$ score < 60 C $40 \leq$ score < 50 D $20 \leq$ score < 40 E score < 20
Media employed	Slides and LCD projectors, whiteboards

Reading List	1. Neter, J. and Wasserman, W. (1985), Applied Linear Statistical Models, Richard D, Irwin, INC 2. Turne,J.R. and Thayer, J.F. (2001), Introduction to Analysis of Variance, Design, analysis and interpretation, Sage Publisher Inc, USA

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				
CO 4			x				
CO 5				x			