UNIVERSITAS GADJAH MADA
Faculty of Mathematics and Natural Sciences
Mathematics Department
Sekip Utara Bulaksumur Yogyakarta 55281 Telp: +62 274 552243 Fax: +62 274 555131 Email: stat.fmipa@ugm.ac.id Website: http://s1stat.fmipa.ugm.ac.id/

Undergraduate Program in Statistics
Telp : +62 274 552243
Email : stat.fmipa@ugm.ac.id; kaprodi-s1-statistika.mipa@ugm.ac.id
sekprodi-s1-statistika.mipa@ugm.ac.id
Website : http://s1stat.fmipa.ugm.ac.id/

MODULE HANDBOOK

Module name	Pengantar Rancangan Percobaan (Introduction to Experimental Design)
Module level, if applicable	Bachelor
Code, if applicable	MMS-2405
Subtitle, if applicable	-
Courses, if applicable	-
Semester(s) in which the module is taught	4/second year
Person responsible for the module	Dr. Herni Utami, M.Si.
Lecture(s)	Dr. Herni Utami, M.Si., Drs. Zulaela, Dipl.Med.Stats., M.Si.
Language	Bahasa Indonesia
Classification within the Curriculum	Compulsory course/ ~~Elective Studies~~
Teaching format /class hours per week during the semester:	3 hours lecture
Workload	3 hours lectures,6 hours individual study, 14 weeks per semester, and total 126 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 have ability to : CO 1. explain the principles and concept of an experimental design CO 2. select and use appropriate experimental design CO 3. analyze data to solve the existing problems based on the results of the experiment
Content	Principles of experimental design, complete random design, complete random block desiagn, factorial design, latin square design, split plot design, nested design.
Study and xamination requirements and forms of examination	The weight of assignments will be as follows: i. Quiz, homework 10% ii. Group discussion 15% iii. Mid semester exam 35% iv. Final exam 40% 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. Montgomery, D. C. 2004. Design and Analysis of Experiments. John Wiley & Sons. New York. 2. Steel, R.G.D., Torrie, J.H. and Dickey, D.A. 1997. Principles and Procedures of

	Statistics A Biomedical Approach. McGraw-Hill. New York

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			