Undergraduate Program in Statistics
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MODULE HANDBOOK

Module name	Demografi (Demography)
Module level, if applicable	Bachelor
Code, if applicable	MMS-2415
Subtitle, if applicable	--
Courses, if applicable	Demografi (Demography)
Semester(s) in which the module is taught	2 / second year
Person responsible for the module	Drs. Danardono, MPH., Ph.D
Lecture(s)	Drs. Danardono, MPH., Ph.D
Language	Bahasa Indonesia
Classification within the Curriculum	~~compulsory~~/elective
Teaching format /class hours per week during the semester:	3 hours lecture
Workload	3 hours lecture+ 6 hours individual study, 14 weeks lecture per-semester, 42 hours of lecture, 84 hours individual study hours - Total 126 hours per-semester
Credit points	3 sks
Requirements	MMS1423 - Metode Statistika I (Statistical Methods I)
Module objectives/ intended learning outcomes/ Course Outcome	By the end of this course, the studemts will be able to: CO1. explain basic concepts in Demography (demographic transition, balancing equation, population pyramid, proportion, ratio, rate) CO2. use and interpret statistical techniques and models for demographic analysis (measures for mortality, fertility, migration, dissimilarity, standardized mortality rate) CO3. construct and implement mortality models and life table CO4. implement population growth models for population estimation and projection
Content	Basic concepts in Demography Statistical techniques and models for demographic analysis Mortality models and life table Population dynamics

Study and examination requirements and forms of examination	Grading components and weights (%)	Final grading scale:
	1. Final Exam 40 2. Midterm Exam 35 3. Project/Presentation 15 4. Homework/Quiz 10 100	A : $80 \leq$ score A/B: $70 \leq$ score <80 B : $60 \leq$ score <70 B/C: $50 \leq$ score <60 C : $40 \leq$ score <50 D : $20 \leq$ score <40 E : score<20
Media employed	Whiteboard, LCD, computer	
Reading List	1. Rowland, T (2003) Demographic Methods and Concepts. Oxford University Press 2. Pollard, A.H., Yusuf, F., Pollard, G.N. (1981) Demographic Techniques, Pergamon Press 3. Wachter, K. W. (2006) Essential Demographic Methods, Department of Demography University of California	

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	x			
CO 4		x					x

Program Learning Outcomes (PLO) of the UP-Statistics

PLO-1 have strong basic statistics and mathematics in problem solving analysis.

PLO-2 have statistical thinking and able to develop.

PLO-3 have a good ability to utilize technology and statistical software in teaching and research.

PLO-4 have experience in working on real cases in the field of statistics.

PLO-5 have a good ability to communicate statistics in writing and oral.

PLO-6 have ability to further studies, and or lifelong learning.

PLO-7 have professional ethics and soft skill