

UNIVERSITAS NEGERI YOGYAKARTA

BIOLOGY EDUCATION

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Bachelor of Education in Biology	MODULE HANDBOOK					
Module name:	Biometry					
Module level, if applicable:	Undergraduate					
Code:	BIO 6227					
Sub-heading, if applicable:	-					
Classes, if applicable:	-					
Semester:	2 th					
Module coordinator:	Suhandoyo, MS.					
Lecturer(s):	Suhandoyo, MS					
Language:	Bahasa Indonesia					
Classification within the curriculum:	University Course					
Teaching format / class hours per week during the semester:	100 minutes lectures and 120 minutes structured activities per week.					
Workload:	Total workload per semester are consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes individual study per week for 16 weeks.					
Credit points:	2					
Prerequisites course(s):	-					
Program Learning Outcome(s)	PLO 4. Mastering basic Biology and other relevant knowledge with mathematics and natural sciences					
Targeted learning outcomes:	After taking this course, the students are expected to be able to: CO1. Applying descriptive analysis techniques to process biological research data. CO2. Applying parametric and non parametric inferential statistical analysis techniques to process biological research data for the purpose of comparing two average values. CO3. Applying parametric and non parametric inferential statistical analysis techniques to process biological research data for the purpose of comparing k average values. CO4. Applying parametric and non parametric inferential statistical analysis techniques to process biological research data for the purpose of determining the pattern of relationships between dependent and the independent variables.					
Content:	This course contains the application of statistics to analyze biological research data which includes the application of data analysis using descriptive statistical analysis techniques, inferential statistical analysis parametric and nonparameric. Attitude assessment is carried out at each meeting by observation					
Study / exam achievements:	and/or self-assessment techniques using the assumption that basically every student has a good attitude. The student is marked					

	compare assessme of the re- course if	very good or not good attitude if they show it significantly compared to other students in general. The result of attitude assessment is not taken into account in the final grades, but as one of the requirements to pass the course. Students will pass from this course if at least have a good attitude. The final mark will be weight as follow:						
	СО	Assessment Object	Assessment Technique	Weight				
	CO1,	Sub-competence test 1	Written test	20%				
	CO1,	· ·	written test	30%				
	CO2,	Sub-competence test 2 Sub-competence test 3		30%				
	CO3,	Sub-competence test 4		20%				
	1 04	Tatal	100%					
	Total 1							
Forms of media:	Board, LC	Board, LCD Projector, Laptop/Computer						
	Keppel, G. (1982). Design and analysis a researcher handbook. New							
	Jersey: Departement of Psychology University of California							
	Kirk, R.E. 1995. Experimental design: Procedures for behavior							
	science. Pasific Grove: Brooks/Coln publishing Company							
References:	Moh Nazir. (1988). Metode penelitian. Jakarta: Galia Indonesia							
		(1982). Disain dan analisis e						
		Vincent Gaspersz. (1991). Teknik analisis dalam penelitian						

PLO and CO mapping

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11	PLO 12
CO 1				V								
CO 2				٧								
CO 3				V								
CO 4				V								

percobaan. Jilid 1. Bandung: Tarsito