



SEMESTER LEARNING PLAN (RPS)
CHEMISTRY STUDY PROGRAM
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
UNIVERSITY OF BENGKULU

Identity of Course		Identity of Lecturer	
Code	: KIM-513	Name	: Dyah Fitriani S.Si, M.Sc
Course Name	: Basics Biochemistry	Field	: Chemistry
Course Weight (credits)	: 4 (3-1)		
Semester	: V (Five)		
Prerequisite Courses	: Organic Chemistry		
Graduate Learning Outcomes (CPL)			
CPL Code		Elements of CPL	
S-9	:	Demonstrate a responsible attitude on work at field of expertise independently	
KU 1	:	Able to apply logical, critical, systematic and innovative thinking in the context of the development or implementation of science and technology that pays attention to and applies humanities values in accordance with their field of expertise.	
KU 2	:	Able to demonstrate independent, quality and measurable performance.	
Scientific Study Materials	:	- Biology	
		- Organic Chemistry	
CP Course (CPMK)	:	Students are able to understand the basic concepts of biochemistry	
Learning Experience	:	Students are taught about cells and cell organelles, primary, secondary, tertiary and quaternary protein structures, vitamins, enzymes, isolation and purification proteins, nucleic acids, DNA, RNA, protein synthesis and DNA analysis techniques	
References	:	1. Mary K. Campbell and Shawn O. Farrell, <i>Biochemistry</i> , 7th Ed. 2. Lehninger, AL, (1982), Fundamentals of Biochemistry Volumes 1, II and III Thenawidjaja, M (Translator), Erlangga Publisher, Jakarta 3. Anna Poedjiadi., (1994), Biochemistry Fundamentals, University of Indonesia Publisher (UI-Press) , Jakarta. 4. Soeharsono Martoharsono, (1975), Biochemistry I, UGM Press, Yogyakarta	

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Appendix 1. Learning Outcomes of Graduates

According to Permenristekdikti Attachment No. 44 of 2015 concerning the National Standards for Higher Education.

A. Attitude Formulation

Attitudes that must be possessed by every graduate of academic, vocational and professional education programs is as follows,

CPL Code	The formulation of the Attitude
of S-1 is	devoted to God Almighty and able to demonstrate a religious
S-2	upholds values humanity in carrying out tasks based on religion, morals, and ethics
S-3	contributes to improving the quality of life in society, nation, state, and progress of civilization based on Pancasila
S-4	acts as citizens who are proud and love the homeland, have nationalism and a sense of responsibility to the country and the nation
S-5	respects the diversity of cultures, views, religions, and beliefs, as well as the original opinions or findings of others
S-6	works together and has social sensitivity and concern for society and the environment
S-7	obeys the law and disciplined in the life of society and the state
S-8	internalize the values, norms, and academic ethics
S-9	demonstrate an attitude of responsibility for work in the field of expertise independently;
S-10	internalizes the spirit of independence, struggle, and entrepreneurship

B. General Skills Formulation

B1. Undergraduate Program

CPL Code	General Skills Formulation
KU-1	Able to apply logical, critical, systematic and innovative thinking in the context of developing or implementing science and technology that pays attention to and applies humanities values in accordance with their field of expertise.
KU-2	Able to demonstrate independent, quality and measurable performance.
KU-3	Able to study the implications of the development or implementation of science and technology that pays attention to and applies humanities values according to their expertise based on scientific principles, procedures and ethics in order to produce solutions, ideas, designs or art criticism, compose a scientific description of the results of the study in the form of a thesis or final project report, and upload it on the college website.
KU-4	Compile a scientific description of the results of the study above in the form of a thesis or final project report and upload it on the university's website
KU-5	Able to make appropriate decisions in the context of solving problems in their field of expertise based on the results of information and data analysis.
KU-6	Able to maintain and develop a network with supervisors, colleagues, collaborators both inside and outside the institution.

KU-7	Able to be responsible for the achievement of group work results and supervise and evaluate the completion of work assigned to workers under their responsibility.
KU-8	Able to carry out the evaluation process of work groups under their responsibility and able to manage learning independently
KU-9	Able to document, store, secure and rediscover data to ensure validity and prevent plagiarism.

B2. Diploma Three Program

CPL Code	General Skills Formula
KU-1	Able to complete wide-ranging work and analyze data with various appropriate methods, both those that have not been or have been standardized
KU-2	Able to demonstrate quality and measurable performance
KU-3	Able to solve work problems with the nature and nature of context that is in accordance with the field of applied expertise based on logical thinking, innovative, and responsible for the results independently
KU-4	Able to compile reports on results and work processes accurately and accurately and communicate them effectively to other parties who need
KU-5	Able to work together, communicate and be innovative in their work
KU-6	Able to be responsible for the achievement of group work results and supervise and evaluate the completion of work assigned to workers under their responsibility
KU-7	Able to carry out a self-evaluation process for work groups under their responsibility and able to groan ola work competency development independently
KU-8	Able to document, store, secure and retrieve data to ensure validity and prevent plagiarism