

Document
Expected Learning Outcomes
Master in Biomedical Sciences Program
Faculty of Medicine, Nursing, and Public Health
Universitas Gadjah Mada

ELO	Description	Performance Indicators
ELO 1. Cognitive		
ELO 1.1	Mastering basic theoretical concepts of biomedical sciences and their applications	<ul style="list-style-type: none"> a. Comprehend the basic theoretical concepts of biomedical sciences (C2) b. Competent to apply basic theoretical concepts of biomedical sciences for the purposes of education, research, and community service (C3) c. Capable of analyzing problems related to biomedical sciences (C4)
ELO 1.2	Mastering the theoretical concepts and applications of anatomy, medical anthropology, biochemistry, human reproduction, pharmacology, histology & cell biology, physiology, molecular medicine, or parasitology	<ul style="list-style-type: none"> a. Comprehend the theoretical concepts of biomedical sciences relevant to their majors (C2) b. Competent to apply basic theoretical concept of biomedical sciences relevant to their majors for the purposes of education, research, and community service (C3) c. Capable of analyzing problems related to biomedical sciences relevant to their majors. (C4)
ELO 1.3	Mastering the concept of academic integrity by understanding plagiarism concept in terms of plagiarism types, consequences of violation, and its prevention.	<ul style="list-style-type: none"> a. Comprehend the concept of plagiarism (C2) b. Apply the anti-plagiarism concept when creating scientific publications (C3)
ELO 2. Specific Skills		
ELO 2.1	Mastering basic lab work skills in the field of biomedical sciences to support the comprehension of theoretical concepts and in conducting research.	<ul style="list-style-type: none"> a. Able to demonstrate basic lab works in the field of biomedical sciences to explain the theoretical concepts (P3) a. Capable of designing protocols and analyzing lab work results in accordance with the objective (P5)
ELO 2.2	Developing the field of biomedical sciences through the study of scientific literatures.	<ul style="list-style-type: none"> a. Able to search scientific literature (P2) b. Able to analyze scientific literatures (P3) c. Able to perform critical appraisal of scientific literatures (P5) d. Able to make use of scientific literatures. (C6)
ELO 2.3	Conducting research to overcome problems in the field of biomedical sciences.	<ul style="list-style-type: none"> a. Capable of identifying and processing problems in the field of biomedical sciences (C1) b. Capable of designing research to overcome problems in the field of biomedical sciences (P6) c. Capable of conducting research in the field of biomedical sciences (P6) d. Capable of analyzing and drawing conclusions from the results of research in the field of biomedical sciences (C4)
ELO 2.4	Delivering biomedical science theory and disseminating scientific publications in the field of biomedical sciences nationally and/or internationally.	<ul style="list-style-type: none"> a. Capable of writing scientific works and paper in the field of biomedical sciences with regard to basic writing rules (C2 & P6) b. Capable of presenting scientific works and paper in scientific forums of biomedical sciences (C3 & P3)

ELO	Description	Performance Indicators
		c. Capable of publishing scientific writings in the field of biomedical sciences in national or international journals (C6 & P6)
ELO 3. General Skills		
ELO 3.1	Utilizing information and technology in the context of developing knowledge in the field of biomedical sciences.	a. Able to use search engines/software to look for literatures in biomedical sciences (P2) b. Able to use softwares to create scientific papers in the field of biomedical sciences (P3) c. Able to use softwares to publish scientific papers in the field of biomedical science (P6)
ELO 3.2	Capable of communicating effectively in English.	Capable of writing scientific papers in the field of biomedical sciences in English (P6)
ELO4. Attitude		
ELO 4.1	Internalizing and implementing values, norms, and academic ethics.	a. Avoiding to commit academic misconduct (e.g. cheating during examinations, plagiarism, and data fabrication or falsification) (A4) a. Respecting all civitas academica (A5)
ELO 4.2	Exhibiting professionalism in carrying out duties.	b. Discipline in terms of time and attendance in carrying out academic duties (A4) c. Carrying out academic duties well (A5)