PHASE-1 / COMMITTEE-3 AIM(S)

1.	In this committee, it is aimed that the students comprehend the structures, classifications, metabolisms of proteins, lipids and enzymes and their disorders.
2.	In this committee, it is aimed that the students gain the necessary knowledge and skills about patient-physician communication and physical examination.
3.	In this committee, it is aimed that students have basic information about bones, joints and appendicular skeletal system and comprehend the place of anatomy in medical education.
4.	In this committee, it is aimed that the students comprehend the structure of the cell, its functioning mechanism, by associating it with the diseases that affect this mechanism.
5.	In this committee, it is aimed that students comprehend the diagnosis mechanisms of common genetic diseases.
6.	In this committee, it is aimed that the students comprehend the biostatistics topics and application areas.

PHASE-1 / COMMITTEE-3 OBJECTIVE(S)

1.	To be able to recognize the structure of peptides and proteins, to be able to classify, to be able to explain synthesis and degradation.
2.	To be able to classify lipids and fatty acids, to be able to recognize their structure and properties, to be able to explain metabolism and metabolic disorders.
3.	To be able to explain the structures, classification, enzyme kinetics and enzyme inhibition of enzymes.
4.	To be able to define lipid determination methods
5.	To be able to explain the protein determination methods.
6.	To be able to explain the basic principles of patient-physician communication.
7.	To be able to explain the importance of communication
8.	To be able to explain physical examination methods
9.	To be able to explain the definition, history, and importance of anatomy in medical education.
10.	To be able to define the formations of the human body and anatomical terminology.
11.	To be able to describe the bones of the upper and lower extremities and the structures on the bones
12.	To be able to explain the general features of the joints
13.	To be able to recognize lower and upper extremity joints, joint types, ligaments and explain their functions.
14.	To be able to explain the substance transport and resting potential in the cell membrane.
15.	To be able to explain the electrical and chemical gradients of ions.
16.	To be able to define ion channels and HH channel model
17.	To be able to explain the structure and functions of DNA, RNA, and proteins.
18.	To be able to describe the molecular mechanisms in single gene diseases, multifactorial diseases, and cancer.
19.	To be able to explain the concept of inheritance
20.	To be able to explain the macromolecules and cell structure function
21.	To be able to explain the algorithm to be followed in the suspicion of single gene disease.
22.	To be able to group chromosomal abnormalities
23.	To be able to explain at a guiding level about prenatal diagnosis

24.	To be able to explain the indications of preimplantation genetic diagnosis
25.	To be able to identify the inheritance pattern by looking at the family tree
26.	To be able to define science and scientific research methods
27.	To be able to explain statistical tests used in scientific research.
28.	To be able to work in teams and produce solutions with instructors
29.	To be able to be aware of social responsibilities and contributing to their improvement

PHASE-1 / COMMITTEE-3 INTENDED LEARNING OUTCOME(S)

1.	Can recognize the structure of peptides and proteins, can classify, can explain synthesis and degradation.
2.	Can classify lipids and fatty acids, can recognize their structure and properties, can explain metabolism and metabolic disorders.
3.	Can explain the structures, classification, enzyme kinetics and enzyme inhibition of enzymes.
4.	Can define lipid determination methods.
5.	Can explain the protein determination methods.
6.	Can explain the basic principles of patient-physician communication.
7.	Can explain the importance of communication.
8.	Can explain physical examination methods.
9.	Can explain the definition, history, and importance of anatomy in medical education.
10.	Can define the formations of the human body and anatomical terminology.
11.	Can describe the bones of the upper and lower extremities and the structures on the bones.
12.	Can explain the general features of the joints.
13.	Can recognize lower and upper extremity joints, joint types, ligaments and explain their functions.
14.	Can explain the substance transport and resting potential in the cell membrane.
15.	Can explain the electrical and chemical gradients of ions.
16.	Can define ion channels and HH channel model.
17.	Can explain the structure and functions of DNA, RNA, and proteins.
18.	Can describe the molecular mechanisms in single gene diseases, multifactorial diseases and cancer.
19.	Can explain the concept of inheritance
20.	Can explain the macromolecules and cell structure function.
21.	Can explain the algorithm to be followed in the suspicion of single gene disease.
22.	Can group chromosomal abnormalities.
23.	Can explain at a guiding level about prenatal diagnosis.
24.	Can explain the indications of preimplantation genetic diagnosis.

25.	Can identify the inheritance pattern by looking at the family tree.
26.	Can define science and scientific research methods.
27.	Can explain statistical tests used in scientific research.
28.	Can work in teams and produce solutions with instructors.
29.	Can be aware of social responsibilities and contributing to their improvement.