**NİĞDE ÖMER HALİSDEMİR UNIVERSITY FACULTY OF MEDICINE**

**FIRST YEAR**

**AIMS AND INTENDED LEARNING OUTCOMES**

**AIMS**

* 1. To gain information about the structural properties and basic functions of organic and biomolecules, cell and its biological, physiological, histological and genetic structural features and the basic subjects of biophysics, with the purpose of forming a basis for the human biological system,
	2. In order to form a basis for the clinical internships, learning human physiology, anatomy, histology and biochemistry, as well as the microbiology and pharmacology of diseases,
	3. To learn about the historical development of medical science and ethics,
	4. To acquire and implement information on communication skills such as listening and speaking,
	5. To get information about basic concepts of statistical science and methods of biostatistics.

**GOALS**

* 1. Defining basic concepts about cell
	2. Using light microscopy,
	3. Listing the effects of inheritance on disease,
	4. Explaining the basic knowledge of organic chemistry and biochemistry,
	5. Defining the basic biochemical properties of biomolecules,
	6. Describing the concept of ionic and chemical bonds,
	7. Explaining the basic properties of amino acids and enzymes,
	8. Summarizing the synthesis, degradation and metabolic pathways of biomolecules
	9. Selecting the basic statistical tests to be applied to scientific research data,
	10. Using computers to write reports, make calculations and prepare presentations,
	11. Pronouncing the basic anatomical terminology correctly,
	12. Being able to list the muscles and joints in the human body,
	13. Being able to indicate the muscles and joints on models and cadavers,
	14. Identifying the vessels and nerves of the extremities models and cadavers,
	15. Performing basic medical interventions such as intravascular intervention, intramuscular injection, blood pressure measurement on models,
	16. Describing mental health and its principles,
	17. Describing the developmental processes of children and adolescents,
	18. Explaining the rules for empathy with patients and their relatives,
	19. Listing stress-coping mechanisms,
	20. Listing the biological and hereditary bases of cancer,
	21. Defining the roles of genes in immunity.