

BALIKESIR UNIVERSITY
FACULTY OF FINE ARTS
UNIVERSITY ELECTIVE COURSE INTRODUCTION FORM

Department / Division	Graphic Arts		
Course Name	(XXXX) Medical Illustration I		
Course Semester	Autumn X	Spring	
Language of the Course	Turkish X	English	
Course Credits	Theoretical 2	Practical 0	Total Credits 3
Course ECTS	3		
Course Learning Type	Elective		
Course Objective	the ability to scientifically visualize the anatomical structures, physiological processes, and other biological organisms of humans, animals, and other living things.		
Course Content	Human Anatomy, Skeletal System, Muscular System, Organ System, Proportion and Ratio in Anatomical Drawings, Medical Diagrams and Schematic Representation Techniques, Scientific Infographics		
Course Prerequisites	None		
Instructors	Doç.Dr. Aylin GÜNGÖR	mail : aylin.gungor@balikesir.edu.tr	
Course Assistants		mail :	
Internship Status of the Course	None		
Course Resources	Agur, A. M. R., & Dalley, A. F. (2024). Grant's atlas of anatomy (16th ed.). Wolters Kluwer. Drake, R. L., Vogl, W., & Mitchell, A. W. M. (2023). Gray's anatomy for students (5th ed.). Elsevier. Hodges, E. R. S. (Ed.). (2022). The guild handbook of scientific illustration (3rd ed.). Wiley. Loomis, A. (2021). Drawing the head and hands. Titan Books. Molloy, P. (2020). Anatomy for artists: Drawing form & pose. 3DTotal Publishing. Netter, F. H. (2023). Atlas of human anatomy (8th ed.). Elsevier. Schünke, M., Schulte, E., & Schumacher, U. (2021). Atlas of anatomy (3rd ed.). Thieme. Sobotta, J. (2022). Sobotta atlas of human anatomy (17th ed.). Elsevier. Wiedemann, J. (2021). Illustration now! Medical and scientific illustration. Taschen.		

Course Structure		Field of Study: %100				
Planned Learning Activities and Methods		Lecture, Question-Answer, Exercises and Application, Individual Study, Problem Solving, Project-Based Learning				
Course Evaluation Criteria			Course ECTS Calculation Content			
Semester Works	Number	Contribution (%)	Activity	Number	Duration	Total Workload (Hours)
Midterm Exam	1	%40	Course Duration	14	3	42
Quiz	0	%0	Out-of-Class Work Time	14	2	28
Homework	0	%0	Midterm Exams	1	8	8
Continue	0	%0	End-of-Term Exam	1	8	8
Application	0	%0	Total Workload:86			
Project	0	%0	ECTS Credits:3			
End-of-Term Exam	1	%60				
Course Learning Outcomes		LO01: Defines the fundamental concepts, techniques, and terminology of the medical illustration field. LO02: Analyzes and visually expresses human anatomy with scientific accuracy. LO03: Produces original medical illustration works with pleasure using traditional and digital techniques. LO04: Develops visual storytelling solutions that can be used in health communication and scientific publications.				
Course Topics						
Week	Subject				Preliminary	Documents
1	Introduction to medical illustration and its historical development.				Case Studies Reviews	Aylin Güngör Lecture Notes
2	Applications and basic concepts of medical illustration.				Case Studies Reviews	Aylin Güngör Lecture Notes
3	Introduction to human anatomy; proportion, form, and structure.				Case Studies Reviews	Aylin Güngör Lecture Notes
4	Skeletal system drawings and anatomical analysis				Case Studies Reviews	Aylin Güngör Lecture Notes
5	Skeletal system drawings and anatomical analysis.				Case Studies Reviews	Aylin Güngör Lecture Notes
6	Scientific drawing of organ systems.				Case Studies Reviews	Aylin Güngör Lecture Notes

7	Medical diagram, cross-section, and schematic representation techniques.	Case Studies Reviews	Aylin Güngör Lecture Notes
8	Midterm Exam	Case Studies Reviews	Aylin Güngör Lecture Notes
9	Illustration of surgical procedures	Case Studies Reviews	Aylin Güngör Lecture Notes
10	Microbiology, cell and tissue visualizations.	Case Studies Reviews	Aylin Güngör Lecture Notes
11	Digital medical illustration techniques	Case Studies Reviews	Aylin Güngör Lecture Notes
12	Infographics and patient information designs in health communication	Case Studies Reviews	Aylin Güngör Lecture Notes
13	The process of creating illustrations for medical publications	Case Studies Reviews	Aylin Güngör Lecture Notes
14	Ethics, scientific accuracy, and copyright in medical illustration	Case Studies Reviews	Aylin Güngör Lecture Notes
15	Student project presentations and overall evaluation	Case Studies Reviews	Aylin Güngör Lecture Notes
Contribution of the Course to Curriculum Outcomes		All:P01:4, P02:4, P03:4, P04:4, P05:4, P06:4, P07:4, P08:4, P09:4, P10:4, P11:4, P12:4 Ö01: P01:3, P02:4, P03:4, P04:3, P05:5, P06:4, P07:4, P08:2, P09:3, P10:3, P11:4, P12:3 Ö02: P01:4, P02:5, P03:5, P04:4, P05:3, P06:3, P07:5, P08:4, P09:4, P10:2, P11:5, P12:4 Ö03: P01:5, P02:4, P03:4, P04:4, P05:4, P06:4, P07:5, P08:4, P09:4, P10:4, P11:4, P12:4 Ö04: P01:3, P02:4, P03:5, P04:5, P05:5, P06:5, P07:4, P08:5, P09:5, P10:5, P11:3, P12:5 Ö05: P01:4, P02:4, P03:3, P04:3, P05:3, P06:3, P07:3, P08:3, P09:3, P10:4, P11:4, P12:4	