

ATILIM UNIVERSITY
FACULTY OF MEDICINE
2025-2026 ACADEMIC YEAR

MED 323	Bioengineering and Advanced Therapeutic Strategies in Medicine Instructor: Assist. Prof. Dr. Özge BOYACIOĞLU
TIME (Weeks/Hours)	TOPICS
25 September 2025 15:30-17:20	Overview of Advanced Therapeutic Approaches Lecture Hall: C-401
2 October 2025 15:30-17:20	Fundamentals of Drug Delivery Systems Lecture Hall: C-401
9 October 2025 15:30-17:20	Smart Drug Delivery Systems with Nanotechnology I: Fundamentals and Classification Lecture Hall: C-401
16 October 2025 15:30-17:20	Smart Drug Delivery Systems with Nanotechnology II: Targeting and Stimuli-Responsive Approaches Lecture Hall: C-401
23 October 2025 15:30-16:20	Tumor Microenvironment and the Effect of Drug Delivery on the Tumor Microenvironment Lecture Hall: C-401
23 October 2025 16:30-17:20	Advanced Drug Delivery Strategies in Cancer Treatment Lecture Hall: C-401
30 October 2025	Committee Exam Week: No Classes
6 November 2025 15:30-17:20	Case Studies and Solutions-I Lecture Hall: C-401
13 November 2025 15:30-17:20	MIDTERM EXAM Lecture Hall: C-401
20 November 2025 15:30-17:20	Advanced Topics in Cell and Tissue Engineering I: Advanced Culture Systems and Tumor Microenvironment Modeling Lecture Hall: C-401

27 November 2025 15:30-17:20	Advanced Topics in Cell and Tissue Engineering II: Biosignal Molecules Lecture Hall: C-401
4 December 2025 15:30-17:20	Advanced Topics in Cell and Tissue Engineering IV: Regenerative Medicine and Bioprinting Lecture Hall: C-401
11 December 2025 15:30-17:20	Advanced Topics in Cell and Tissue Engineering III: Decellularization and Recellularization Approaches Lecture Hall: C-401
18 December 2025 15:30-17:20	Personalized Medicine Applications: Omics Approaches Lecture Hall: C-401
25 December 2025 15:30-17:20	Case Studies and Solutions-II Lecture Hall: C-401
1 January 2026	HAPPY NEW YEAR
8 January 2026 15:30-17:20	Article Hour FINAL EXAM and Report Writing Lecture Hall: C-401