

BIEN 4838 / 5838 – Drug Delivery
COURSE SCHEDULE 2025 FALL

WEEK	DATES	Monday	Wednesday
1	Aug. 25 – 29	1. Intro to Drug Delivery	2. Pharmacology
2	Sept. 1 – 5	Labor Day <i>No class</i>	3. Paper 1: BBB Opening RQ#1
3	Sept. 8 – 12	4. Biological Barriers	5. Paper 2: Skin Barrier RQ#2 HW#1
4	Sept. 15 – 19	6. Routes of Administration LQ#1	7. Paper 3: Intranasal Delivery RQ#3
5	Sept. 22 – 26	8. Overview of nanoDDS	9. Paper 4: Clinical Data RQ#4, HW#2
6	Sept. 29 – Oct. 3	10. Clinical Translation LQ#2	11. Paper 5: Gene Delivery RQ#5, FP#1
7	Oct. 6 – 10	12. Gene Delivery + Final Project Planning	13. Paper 6: Surface Cloaking RQ#6
8	Oct. 13 – 17	14. Formulation Science and Surface Engineering	15. Paper 7: Nanoparticles in Tumors RQ#7, HW#3
9	Oct. 20 – 24	16. Immunoengineering LQ#3	Drug Delivery Wellness Day FP#2
10	Oct. 27 – 31	17. Vaccines	18. Paper 8: Implants and the FBR RQ#8, HW#4
11	Nov. 3 – 7	19. Macro & MicroDDS LQ#4	20. Paper 9: Cells as Vehicles RQ#9, FP#3
12	Nov. 10 – 14	21. Characterization of nanoDDS	22. Biological Carriers LQ#5, HW#5
13	Nov. 17 – 21	23. Presentations FP#4	24. Presentations FP#4
14	Nov. 24 – 28	Fall Break <i>No class</i>	Fall Break <i>No class</i>
15	Dec. 1 – 5	25. Presentations FP#4	26. Trivia <i>Last Day of Class</i>

RQ (Reading Quizzes): Due by the start of class on Canvas

LQ (Lecture Quizzes): Given at the beginning of class

HW (Homeworks): Due Fridays at 11:59pm on Gradescope

FP (Final Project): Due Fridays at 11:59pm on Canvas (except FP#4 is due noon day of pitch)