

RX 421 FALL 2009
INTRODUCTION TO DOSAGE FORMS 12-12:50 PM, PB 156 (MTW)

DATE	INSTRUCTOR	LECTURE TOPIC
8/26 Wed	S. Das	Course overview
8/31 Mon	N. Das, # 1	Review of physicochemical and biopharmaceutical principles
9/01 Tue	N. Das, # 2	Solution properties of drugs and solubilizing agents
9/02 Wed	N. Das, # 3	Pharmaceutical solutions
9/07 Mon.	Labor Day	
9/08 Tue	N. Das, # 4	Buffers, antioxidants and preservatives
9/09 Wed	S. Das, # 1	Interfacial phenomenon
9/14 Mon	S. Das, # 2	Pharmaceutical colloids
9/15 Tue	S. Das, # 3	Rheology and applications in pharmacy
9/16 Wed	S. Das, # 4	Pharmaceutical emulsions
9/21 Mon	S. Das, # 5	Pharmaceutical emulsions
9/22 Tue	N. Das and S. Das	Review
9/23 – 9/25		CLUSTER 1 (9 lectures)
9/28 Mon	S. Das, # 6	Pharmaceutical suspensions
9/29 Tue	S. Das, # 7	Pharmaceutical suspensions
9/30 Wed	Wichman, # 1	Intro to topical and transdermal drug delivery
10/5 Mon	Wichman, # 2	Ointments and creams
10/6 Tue	Wichman, # 3	Ointments and creams
10/7 Wed	Wichman, # 4	Pastes and gels
10/12 Mon	Wichman, # 5	Transdermal patches
10/13 Tue	Wichman, # 6	Transdermal patches
10/14 Wed	Wichman, # 7	Assisted transdermal delivery
10/19 Mon	Wichman, # 8	Suppositories
10/20 Tue	Wichman, # 9	Suppositories
10/21 Wed	Wichman	Review
10/23 – 10/27		CLUSTER 2 (11 lectures)
10/28 Wed	Wichman, #10	Powder and powder technology
11/02 Mon	Wichman, #11	Capsules
11/03 Tue	Wichman, #12	Capsules
11/04 Wed	Wichman, #13	Tablets
11/09 Mon	Wichman, # 14	Tablets (including fast release tablets)
11/10 Tue	Wichman, # 15	Coatings for solid dosage forms
11/11 Wed	AAPS Meeting	
11/16 Mon	N. Das, # 5	Drug stability and degradation kinetics
11/17 Tue	N. Das, # 6	Drug stability and degradation kinetics
11/18 Wed	N. Das, # 7	Drug stability and degradation kinetics
11/23 – 11/27	Thanksgiving Break	
11/30 Mon	N. Das, # 8	Degradation kinetics, FDA and ICH guidelines
12/1 Mon	Wichman & N. Das	Review
12/2 – 12/4		CLUSTER 3 (10 lectures)
12/7 Mon	N. Das, # 9	Case Study - I
12/8 Tue	S. Das, # 8	Case Study - II
12/9 Wed	S. Das, N. Das & Wichman	Review for Final Exam

Didactic lecture loads: S. Das 8 lectures, N. Das 9 lectures, Wichman 15 lectures (do not include reviews and introduction)