

The Mathematics Behind Biological Invasions
DETAILED SCHEDULE: WEEK 1

Monday, June 2		
9:00 - 10:00	Course introduction and orientation	
10:00 - 11:00	Mark Lewis, Lecture 1 ¹	Fisher's model
11:00 - 12:30	Introduction to computers and matlab ²	
12:30 - 1:30	Lunch	
1:30 - 3:00	Mark Lewis, Lecture 2	Integrodifference models
3:00 - 5:00	Computer and problem sessions	
Tuesday, June 3		
9:00 - 10:30	Mark Lewis, Lecture 3	Traveling wave model
10:30 - 12:00	Computer experimentation	
12:00 - 1:00	Lunch	
1:00 - 2:30	Mark Lewis, Lecture 4	Furthest forward velocity
2:30 - 5:00	Computer and problem sessions	
Wednesday, June 4		
9:00 - 10:30	Mark Lewis, Lecture 5	Success, failure and Allee effects
10:30 - 12:00	Problem session	
12:00 - 1:00	Lunch	
1:00 - 2:30	Mark Lewis, Lecture 6	Ecological interactions
2:30 - 5:00	Choose project groups	
Thursday, June 5		
9:00 - 10:00	Mark Lewis, Special topic	Reid's paradox
10:30 - 11:30	Fred Adler	The balance of terror
12:00 - 1:00	Lunch	
1:00 - 5:00	Projects	
Friday, June 6		
9:00 - 10:00	Mark Lewis, discussion	Where do we go from here?
10:30 - 11:30	Fred Adler	Frugivory and invasions
12:00 - 1:00	Lunch	
1:00 - 5:00	Projects	
Saturday, June 6		
10:00 - ??	Lynn Bohs	Field trip to see invasive plants
6:00 - ??	Course BBQ	

¹ In LCB 222 (mornings of June 2-10 and June 12, all afternoons)

² In LCB 115 (all scheduled computer labs)

The Mathematics Behind Biological Invasions
DETAILED SCHEDULE: WEEK 2

Monday, June 9		
9:00 - 10:30	Mike Neubert, Lecture 1	Variable Environments
10:30 - 12:00	Computer lab	
12:00 - 1:00	Lunch	
1:00 - 2:00	Mike Neubert, Lecture 2	Critical Patch Size
2:00 - 3:00	Computer lab	
3:00 - 5:00	Problems	
Tuesday, June 10		
9:00 - 10:30	Mike Neubert, Lecture 3	Matrix models
10:30 - 12:00	Problem session	
12:00 - 1:00	Lunch	
1:00 - 2:30	Mike Neubert, Lecture 4	Matrix Models meet IDE's
2:30 - 3:30	Computer lab	
3:30 - 5:00	Problem session	
Wednesday, June 11		
9:00 - 10:30	Mike Neubert, Lecture 5 ³	Habitat fragmentation Killer geese of the arctic
11:00 - 12:00	Nancy Sundell ³	
12:00 - 1:00	Lunch	Metapopulation model
1:00 - 2:30	Mike Neubert, Lecture 6	
2:30 - 5:00	Projects	
Thursday, June 12		
9:00 - 10:00	Mike Neubert, Special topic	Bioeconomics of Control Invasive ants
10:30 - 11:30	Don Feener	
12:00 - 1:00	Lunch	
1:00 - 5:00	Projects	
Friday, June 13		
9:00 - 10:00	Jim Keener ⁴	Invasions and math biology
10:30 - 11:30	Panel discussion ⁴	
12:00 - 1:00	Lunch	
1:00 - 5:00	Project presentations	

³ In JWB 208 (morning of June 11 only)

⁴ In LCB 215 (morning of June 13 only)