



**PIMS-MITACS-MSRI
Special Program on Infectious Diseases
Summer School
June 19 - 27, 2004**



MEALS

(Saturday dinner to Sunday lunch are included in summer school)

Breakfast (Continental): 7:00 – 9:00 am, 2nd floor lounge, Corbett Hall, Sunday-Sunday

*Lunch (Buffet): 11:30 am – 1:30 pm, Donald Cameron Hall, Sunday-Sunday

*Dinner (Buffet): 5:30 – 7:30 pm, Donald Cameron Hall, Saturday-Saturday

Coffee Breaks: As per daily schedule, 2nd floor lounge, Corbett Hall

***Please remember to scan your meal card at the host/hostess station in the dining room for each lunch and dinner.**

MEETING ROOMS

All lectures will be held in Max Bell 159. *Please note that the meeting space designated for BIRS is the lower level of Max Bell, Rooms 155-159. Please respect that all other space has been contracted to other Banff Centre guests, including any Food and Beverage in those areas.*

SCHEDULE

Saturday, June 19

5:30 – 7:30 pm Buffet Dinner, Donald Cameron Hall

Sunday, June 20

07:00-08:45 Continental Breakfast, 2nd floor lounge, Corbett Hall

08:45-09:00 Welcome and Introduction to BIRS, Max Bell 159

09:00-09:30 Summer School Introduction

09:30-10:30 Deterministic compartmental models 1 (Epidemic models): Fred Brauer

10:30-11:00 Coffee break, 2nd floor lounge, Corbett Hall

11:00-12:00 Stochastic models 1: Linda Allen

12:00-13:30 Lunch

13:45- 14:45 Tour of the Banff Centre; meet in the 2nd floor lounge, Corbett Hall

15:00 Computer tutorials/problems drop-in session, Max Bell 157/159

17:30-19:30 Dinner

19:30 Deterministic compartmental models 2 (Models with demographic effects): Fred Brauer

Monday, June 21

08:30-09:30 Deterministic compartmental models 3 (Extensions of basic models): Pauline van den Driessche

09:30-10:30 Stochastic models 2: Linda Allen

10:30-11:00 Coffee break

11:00-12:00 Deterministic compartmental models 4 (Calculation of basic reproduction number): James Watmough

Tuesday, June 22

08:30-09:30 Statistical issues 1 (Reporting delay adjustments): Ping Yan

09:30-10:30 Age-structured models 1: Jia Li

10:30-11:00 Coffee break

11:00-12:00 Age of infection models: Fred Brauer

Wednesday, June 23

08:30-09:30 Statistical issues 2 (incubation period estimation): Ping Yan

09:30-10:30 Age-structured models 2: Jia Li

10:30-11:00 Coffee break

11:00-12:00 Spatial structure 1: Pauline van den Driessche

Thursday, June 24

08:30-09:30 Stochastic models 3: Linda Allen

09:30-10:30 Statistical issues 3 (super-spreading events): Ping Yan

10:30-11:00 Coffee break

11:00-12:00 Case study - West Nile virus: Mark Lewis

12:00-12:15 Group Photo; meet on the front steps of Corbett Hall

Friday, June 25

08:30-09:30 Social structure 1: Carlos Castillo-Chavez

09:30-10:30 Spatial structure 2: Jianhong Wu

10:30-11:00 Coffee break

11:00-12:00 Parameter identification 1: David Earn

Saturday, June 26

8:30 Tb presentation (30 min. + 10 min. discussion)
9:10 Malaria blue presentation (30 min. + 10 min. discussion)
9:50 Polio presentation (30 min. + 10 min. discussion)
10:30 Coffee Break
11:00 Case study – measles: Chris Bauch
Lunch
13:30 Parameter identification 2: David Earn
14:30 Social structure 2: Carlos Castillo-Chavez
15:30 Break-self serve
16:00 SARS red presentation (30 min. + 10 min. discussion)
16:40 Malaria red presentation (30 min. + 10 min. discussion)

Sunday, June 27

9:00 Cholera presentation (30 min. + 10 min. discussion)
9:40 HIV presentation (30 min. + 10 min. discussion)
10:20 SARS blue (30 min. + 10 min. discussion)
11:00 Closing remarks

Check-out by noon at The Professional Development Centre.
Lunch included (11:30-13:30).