

## Schedule Major "Infectious Diseases" SS 2012

**2nd. Semester (SS 12) - Module 2 (Week 9-15): "FOCUS BIOSCIENCES"**  
 June 11th - July 27th 2012; 15 CP (CP=Credit Points)

Module 2, (1)		06/11-06/15	
	Lecture *) 8.30am - 10:00am	Seminar	Private study etc.
<b>Mon</b>	Virulence factors - how to arm bacteria		
<b>Tue</b>	Modes of pathogen transmission, life cycles		
<b>Wed</b>	Modes of pathogen transmission, life cycles		
<b>Thu</b>	Cell division, gene expression and genetic manipulation		
<b>Fri</b>	Intracellular survival of bacteria		

Module 2, (2)		06/18-06/22	
	Lecture *) 8.30am - 10:00am	Seminar	Private study etc.
<b>Thu</b>	Intracellular survival of eukaryotic pathogens		
<b>Tue</b>	Antigenic variation and diversity		
<b>Wed</b>	Toxins I		
<b>Thu</b>	Toxins II		
<b>Fri</b>	Antimicrobial drug development/Cell wall and membrane as drug targets		

Module 2, (3)		06/25-06/29	
	Lecture *) 8.30am - 10:00am	Seminar	Private study etc.
<b>Mon</b>	Proteins and RNA as drug targets		
<b>Tue</b>	Nucleotides, redox and cofactors as drug targets		
<b>Wed</b>	Energy metabolism and unique pathways		
<b>Thu</b>	Communication in infection: eukaryotic and prokaryotic cell signaling		
<b>Fri</b>	The mucosal surface: Front line of defence		

Module 2, (4)		07/02-07/06	
	Lecture *) 8.30am - 10:00am	Seminar	Private study etc.
<b>Mon</b>	Innate Immunity I: Cells, receptors and how bacteria fight them		
<b>Tue</b>	Innate Immunity II: CCC; Complement, chemokines, cytokines		
<b>Wed</b>	T-cell immunity and bacterial evasion strategies		
<b>Thu</b>	B-cell activation, antibodies and their role in infection		
<b>Fri</b>	Memory in adaptive immunity		

Module 2, Week (5)			07/09-07/13
	Lecture *) 8.30am - 10:00am	Seminar	Private study etc.
Mon	Principles of vaccination		Writing practical books, seminar preparation, private study
Tue	Fungal infections		
Wed	Important bacteria that you also should have heard of...		
Thu			
Fri			

Module 2, Week(6)			07/16-07/20
	Lecture *) 8.30am - 10:00am	Seminar	Private study etc.
Mon			Writing practical books, seminar preparation, private study
Tue			
Wed		Seminar	
Thu		Seminar	
Fri		Seminar	

Module 2, Week (7)			07/23-07/27
	Lecture *) 8.30am - 10:00am	Seminar	Private study etc.
Mon			Private Study
Tue			
Wed			
Thu			
Fri	Written Examination		