

Proposed lecture schedule for Microbiology in Europe's Capital, Brussels

MIC 102: Introduction to Microbiology  
MTWTh 2-hr lectures  
Lectures 9:00am to 11:00am

NO.	DAY	TOPIC
1	M	Orientation/Welcome <b>Tour of Brussels</b> <b>Welcome dinner at the Grand-Place (place to be determined)</b> <b>followed by Grand-Place light show</b>
2	T	Bacterial/Archaeal structure and growth
3	W	Bacterial/Archaeal metabolism 1: bioenergetics <b>Optional: Afternoon tour to Bruxella, Franciscan monastery ruins from 1238 ce</b>
4	Th	Bacterial metabolism 2: feeder pathways to precursors <b>F Tour to Bruges &amp; Ghent</b>
5	M	Metabolism of human microbiota
6	T	Bacterial/Archaeal genomes and antibacterial drugs
7	W	Human immune responses to infection <b>Optional: Afternoon tour to Cantillon Brewery; last traditional Lambic brewery</b>
8	Th	<b>Review/Midterm 1 (last hour)</b>
9	M	Human infectious agents 1: viruses; Flue, measles, HIV and Ebola; Oh my
10	T	Human infectious agents 2: bacteria; cholera, plague & the zombie apocalypse
11	W	Human infectious agents 3: euks <b>Optional: Trip to EU headquarters</b>
12	Th	Bacterial differentiation: Myxobacteria, Bacillus, and Actinomycetes
13	<b>M</b>	<b>Tour to Charloi and BioPark</b>
14	T	Comparative microbial genomics
15	W	Applied & environmental microbiology and <b>Review</b>
16	Th	<b>Final Exam</b> and wrap up <b>Final dinner location TBD</b>
	F	Depart

\*MIC102, Introductory Microbiology, is for students from the range of natural science disciplines. Topics include phylogeny, physiology, genetics, ecology, and pathogenesis. Many illustrative examples are drawn from studies of bacterial Interactions with humans. 3 hours. Prerequisite: BIS 2A, Introduction to Biology: Essentials of Life on Earth. Core requisites: CHE2B, General Chemistry. GE topical breadth: science & engineering (SE). GE core literacies: quantitative literacy (QL); scientific literacy (SL).

Required activities are in **red**; optional activities are in **blue**; Exams and reviews are in **bold**