

SCMI 331 Medical Bacteriology
Semester 2 Academic Year 2025
Course Schedule

Date - Time	Topics	Instructors	Room
Tuesday January 6			
9.00 – 9.30	Lecture 1: Class Orientation & Introduction to Medical Bacteriology	RK	R504
9.30 - 11.00	Lecture 2: Bacterial taxonomy, structures and functions, metabolisms	RK	R504
11.00 – 12.00	Lecture 3: Bacterial Pathogenicity and Virulence	RK	R504
13.00 – 16.00	Lab 1: Conventional methods for bacterial Identification	RK, NS	MDL4
Thursday January 8			
13.00 – 13.45	Lecture 4: Important Gram-Positive Bacterial Infection	NS	R504
13.45 -14.30	Lecture 5: Infection from Mycobacteria & Atypical bacteria	NS	R504
14.30 – 16.00	Lecture 6: Important Gram-Negative Bacterial Infection	RK	R504
Tuesday January 13			
9.00 – 10.00	Lecture 7: Bacterial Genomics	NS	R504
10.00 – 11.00	Lecture 8: Bacterial Gene Expression	NS	R504
11.00 – 12.00	Lecture 10: Bacterial Genotyping & Its Applications	NS	R504
13.00 – 16.00	Lab 2: Molecular Identification of Bacteria	RK, NS	MDL4

Date - Time	Topics	Instructors	Room
Thursday January 15			
09.00 – 10.00	Lecture 11: Immune Response to Bacterial infection	FL	R504
10.00 – 12.00	Journal Discussion 1: Host-Bacteria Interaction	FL	R504
Tuesday January 20			
10.00 – 12.00	Lecture 11: Microbiome	WS	R504
13.00 – 16.00	Lab 3: Genomic Tools and Database Applications in Pathogen Identification	RK, NS	MDL4
Thursday January 22			
13.00 – 16.00	Journal Discussion 2: A Role of Autophagy in Bacterial Infection	MP	R504
Tuesday January 27			
9.00 – 10.00	Lecture 12: Diagnosis of Bacterial infections	PP	R504
10.00 – 11.00	Lecture 13: Antibacterial therapy and antimicrobial resistance	PP	R504
11.00 - 12.00	Lecture 14: Prevention of bacterial diseases	PP	R504
13.00 – 16.00	Lab 4: Susceptibility Testing of Pathogenic Bacteria	RK, NS	MDL4
Thursday January 29			
9.00 – 11.00	Journal Discussion 3: Novel Therapeutic Approaches to Bacterial Infection	RK, NS	R504
13.00 – 16.00	Lab 5: Gene Transfer in Bacteria	RK, NS	MDL4
Thursday February 5			
9.00 – 12.00	Students' Presentation	RK, NS	R504
13.00 – 16.00	Examination		R504

Instructors

FL	Fabien Loison
MP	Marisa Ponpuak
PP	Prasit Palittapongarnpim
RK	Ratchara Kalawong
NS	Nattapong Sanguankiattichai
WS	Waradon Sungnak

Co-Ordinator: Ratchara Kalawong