

University of Hong Kong
School of Biological Sciences
Master of Science in Food Safety and Toxicology
2021-22 Timetable (Semester 1)

Date	Time	Topic	Lecturer	Venue
FSTX7001				
Principles of toxicology I				
Sat 04/09/2021	13.00-15.00	Orientation & Introduction to the M.Sc. Programme	Programme Team	MB201 / Online via Zoom
Tue 07/09	18.30-20.30	Nature of acute toxicity	D Kitts	MWT4 / Online
	20.30-21.30	Tutorial	D Kitts	
Wed 08/09	18.30-20.30	Nature of delayed toxicity (1)	D Kitts	MWT4 / Online
	20.30-21.30	Tutorial	D Kitts	
Thu 09/09	18.30-20.30	Nature of delayed toxicity (2)	D Kitts	MWT4 / Online
	20.30-21.30	Tutorial	D Kitts	
Mon 13/09	18.30-20.30	Disposition of toxicants (1)	MS Yang	MWT4 / Online via Zoom
	20.30-21.30	Tutorial	MS Yang	
Tue 14/09	18.30-20.30	Disposition of toxicants (2)	MS Yang	MWT4 / Online via Zoom
	20.30-21.30	Tutorial	MS Yang	
Fri 17/09	18.30-21.30	Introduction to lab and group work	R Juvonen	MWT4 / Online via Zoom
Sat 18/09	10.00-13.00	Lab: Metabolism of xenobiotics	R Juvonen	MWT4 / Lab E, KBSB / Online via Zoom
		Lunch		
	14.00-16.00	Lab: Results and discussion	R Juvonen	
	16.00-17.00	Group work	R Juvonen	
Mon 04/10	12:00 noon	FSTX 7001- Final Course Assessment - Deadline for submission: 1. Dr. David Kiits' course paper on "Food Toxicology" 2. Dr. Midred Yang's course paper on "Disposition of Toxicants" 3. Dr. Risto Juvonen's lab report.		Online via Moodle Submission

Date	Time	Topic	Lecturer	Venue
FSTX7002				
Principles of toxicology II				
Wed 06/10	18.30-20.30	Developmental and reproductive toxicology (1)	K Korach	MWT4 / Online via Zoom
	20.30-21.30	Tutorial	K Korach	
Thu 07/10	18.30-20.30	Developmental and reproductive toxicology (2)	K Korach	MWT4 / Online via Zoom
	20.30-21.30	Tutorial	K Korach	
Fri 08/10	18.30-20.30	Immunotoxicology (1)	H Alenius	MWT3 / Online via Zoom
	20.30-21.30	Tutorial	H Alenius	
Mon 11/10	10.00-12.00	Immunotoxicology (2)	H Alenius	MWT4 / Online via Zoom
	12.00-13.00	Tutorial	H Alenius	
Tue 12/10	10.00-12.00	Nanotoxicology	H Alenius	MWT4 / Online via Zoom
	12.00-13.00	Tutorial	H Alenius	
Wed 13/10	10.00-12.00	Cancer and cancer biology	R Coulombe	MWT4 / Online via Zoom
	12.00-13.00	Tutorial	R Coulombe	
Thu 14/10	10.00-12.00	Environmental toxicology and chemistry	R Coulombe	MWT5 / Online via Zoom
	12.00-13.00	Biomagnification of toxicants	R Coulombe	
Fri 15/10	10.00-12.00	Non-carcinogenic natural toxins in foods	R Coulombe	MWT5 / Online via Zoom
	12.00-13.00	Tutorial	R Coulombe	
Sat 30/10	10.00-13.00	FSTX 7002 - Final Examination		MWT4

Date	Time	Topic	Lecturer	Venue
FSTX7003				
Toxicity tests and hazards evaluation methods				
Mon 01 /11	18.30-19.30	Evaluation of acute, subchronic and chronic toxicity	J Rysa	MWT4
	19.30-20.30	Testing for dermal toxicity and eye irritancy	J Rysa	
	20.30-21.30	Tutorial	J Rysa	
Tue 02/11	18.30-19.30	Testing for mutagenicity and genotoxicity	J Rysa	MWT4
	19.30-20.30	Evaluation of carcinogenicity	J Rysa	
	20.30-21.30	Tutorial	J Rysa	
Wed 03/11	18.30-19.30	Evaluation of reproductive toxicity	J Rysa	MWT4
	19.30-20.30	Evaluation of teratogenicity and developmental toxicity	J Rysa	
	20.30-21.30	Tutorial	J Rysa	
Fri 05/11	18.30-20.30	Methods in estimating food consumption and dietary intake (1)	H Mykkanen	MWT4
	20.30-21.30	Tutorial	H Mykkanen	
Sat 06/11	10.00-12.00	Methods in estimating food consumption and dietary intake (2)	H Mykkanen	MWT4
	12.00-13.00	Tutorial	H Mykkanen	
Mon 08/11	18.30-20.30	Epidemiology and biostatistics (1)	C Dash	MWT4

	20.30-21.30	Tutorial	C Dash	
Tue 09/11	18.30-20.30	Epidemiology and biostatistics (2)	C Dash	MWT4
	20.30-21.30	Tutorial	C Dash	
Wed 10/11	18.30-21.30	Analytical toxicology: Principles and methodology (1)	I Chu	MWT4
Thu 11/11	18.30-20.30	Analytical toxicology: Principles and methodology (2)	I Chu	MWT4
	20.30-21.30	Tutorial	I Chu	
Fri 12/11	17.30-21.30	Food toxicity testing: Measuring estrogen levels in food using transgenic fish embryos (1) - Experimental	X Chen	MB237
Sat 13/11	10.00-13.00	Innovative biotests for food toxicity	X Chen	MWT4
		Lunch		
	14.00-17.00	Food toxicity testing: Measuring estrogen levels in food using transgenic fish embryos (2) - Data collection and Discussion	X Chen	
Sat 27/11	10.00-13.00	FSTX 7003 - Final Examination		MWT4

Date	Time	Topic	Lecturer	
FSTX7004 Regulatory toxicology: risk assessment, risk management and communication				
Wed 01/12	10:00-13:00	Chemical risk assessment: Principles and methodology	S Ma	MWT4
Thu 02/12	14:00-17:00	Chemical risk assessment - Case studies / Tutorial	S Ma	MWT4
Fri 03/12	10:00-13:00	Chemical risk management - Principles and methodology	N Pathiraja	MWT4
Sat 04/12	10:00-13:00	Principles of food laws	N Pathiraja	MWT4
		Lunch		
	14:00-17:00	Hong Kong Food Laws and Regulations	N Pathiraja	
Mon 06/12	10:00-13:00	Risk management / risk communication of chemical incidence in food - Case studies / Tutorial	N Pathiraja	MWT4
Tue 07/12	10:00-13:00	Food safety and risk management - A role play (part 1)	W Kneifel	MWT4
Wed 08/12	10:00-13:00	Food safety and risk management - A role play (part 2)	W Kneifel	MWT4
		Lunch		
	14:00-17:00	Food safety and risk management - A role play (part 3)	W Kneifel	
Fri 10/12	10:00-13:00	Food safety and risk management - A role play (finale)	W Kneifel	MWT4
Mon 13/12	10:00-12:00	International/Canadian/USA Food Safety Regulations	P Chan	MWT4
	12:00-13:00	Setting guidance values of chemical residues in food (1)	P Chan	
		Lunch		
	14:00-16:00	Setting guidance values of chemical residues in food (2)	P Chan	
	16:00-17:00	Case studies / Tutorial	P Chan	
Tue 14/12	10:00-12:00	Regulatory decision making: issues, challenges and factors to consider	P Chan	MWT4
	12:00-13:00	Case studies / Tutorial	P Chan	
		Lunch		
	14.30-16.30	1st Student-Staff Consultation Meeting	Core Programme Team	
Wed 15/12	10:00-12:00	Risk assessment of novel foods and GMO	H Raunio	MWT4
	12:00-13:00	Regulation of novel foods in the European Union	H Raunio	
Thu 16/12	10:00-13:00	China Food Laws and Regulations (1)	M Kan	MWT4
Fri 17/12	10:00-13:00	China Food Laws and Regulations (2)	M Kan	MWT4
Mon 03/01/2022	10:00-13:00	FSTX 7004 - Final Examination		MWT4

Course requirements for full-time student: Semester 1 - FSTX 7001, 7002, 7003 and 7004; and Semester 2 - FSTX8005, 8006 and 8007.

Notes: Venue MW Meng Wah Complex
MB Main Building
KBSB Kadoorie Biological Sciences Building

25.04.2021 (1); 6.05.2021 (2); 5.08.2021 (3); 23.08.2021 (4)

University of Hong Kong
School of Biological Sciences
Master of Science in Food Safety and Toxicology
2021-22 Timetable (Semester 2)

Date	Time	Topic	Lecturer	Venue
FSTX 8005 Chemical and microbial hazards in food				
Wed 05/01/2022	10:00-12:00	Naturally occurring chemical hazards: Plant derived	P Turner	MWT4
	12:00-13:00	Tutorial	P Turner	
Thu 06/01	10:00-12:00	Naturally occurring chemical hazards: Fungi derived	P Turner	MWT4
	12:00-13:00	Tutorial	P Turner	
Fri 07/01	10:00-12:00	Food additives and contaminants	P Turner	MWT4
	12:00-13:00	Tutorial	P Turner	
Sat 08/01	10:00-12:00	Pesticides	P Turner	MWT4
	12:00-13:00	Tutorial	P Turner	
Mon 10/01	10:00-13:00	Food-borne pathogens practical (1) - Quality of minced meat	J Korhonen	MWT4
Tue 11/01	10:00-13:00	Food-borne pathogens practical (2) - Antibiotic resistance determinations	J Korhonen	MWT4
		Lunch		
	14:00-17:00	Food-borne pathogens practical (3) - Growth inhibition by disinfection agents	J Korhonen	
Wed 12/01	10:00-13:00	Food-borne pathogens practical (4) - Gramstaining, counting the results, summary	J Korhonen	MWT4
Thu 13/01	10:00-12:00	Transformation of chemical toxicants during food processing (1)	MF Wang	Veune to be confirmed
	12:00-13:00	Tutorial	MF Wang	
Fri 14/01	10:00-12:00	Transformation of chemical toxicants during food processing (2)	MF Wang	MWT4
	12:00-13:00	Tutorial	MF Wang	
Mon 17/01	18:30-20:30	Review of core issues in food microbiology; prevalent organisms and their control	S Forsythe	LE6
	20:30-21:30	Trends in food microbiology and safety; epidemiology, networks & HACCP	S Forsythe	
Tue 18/01	18.30-19.30	Microbial growth modelling	S Forsythe	LE8
	19.30-21.30	Outbreak investigation studies	S Forsythe	
Wed 19/01	18:30-20:30	Microbial source tracking: (a) Conventional detection methods, genotyping and Next Generation Sequencing (b) Lessons from the <i>E. coli</i> O104 outbreak in Germany	S Forsythe	MWT4
	20:30-21:30	Genomic studies of the emergent bacterial pathogen <i>Cronobacter</i>	S Forsythe	
Thu 20/01	18.30-19.30	Current topics in food microbiology: (a) Limitations associated with end-product testing (b) Emerging enteric pathogens	S Forsythe	MWT4
	19.30-20.30	Topical discussion of food safety issues : The role of antibiotics in food production and antibiotic resistance in foodborne pathogens	S Forsythe	
	20.30-21.30	Tutorial - Q & A session	S Forsythe	
Tue 08/02	18.30-21.30	FSTX 8005 Final Examination		Veune to be confirmed

Date	Time	Topic	Lecturer	
FSTX 8006 Food Safety Management				
Thu 10/02	18.30-21.30	Good Manufacture Practice (GMP) 1	M Wong	MB237
Fri 11/02	18.30-20.30	Good Manufacture Practice (GMP) 2	M Wong	MWT4
	20.30-21.30	Tutorial	M Wong	
Mon 14/02	18.30-21.30	Product traceability in the food chain 1	M Wong	MWT4
Tue 15/02	18.30-20.30	Product traceability in the food chain 2	M Wong	MWT4
	20.30-21.30	Tutorial	M Wong	
Thu 17/02	18.30-21.30	Introduction to ISO 22000 and HACCP	B Cheung	MB237
Fri 18/02	18.30-21.30	Developing a HACCP Plan	B Cheung	MWT4
Mon 21/02	18.30-20.30	Implementation of a HACCP Plan	B Cheung	MWT4
	20.30-21.30	Tutorial - Q&A	B Cheung	
Wed 23/02	18.30-21.30	Business Ethics in Food Industry (1)	A Cheung	MB237
Thu 24/02	18.30-21.30	Business Ethics in Food Industry (2)	A Cheung	MB237
Fri 25/02	18.30-20.30	Business Ethics in Food Industry (3)	A Cheung	MWT4
	20.30-21.30	Tutorial	A Cheung	
Mon 14/03	18.30-21.30	FSTX 8006 Final Examination		MWT4
16/03 -24/03	TBC	Visit to Swire Coca-Cola Plant / Yakult Plant, NT	M Kan	
16/03 -24/03	TBC	Visit to GS1 HK IOT Centre, HK	M Wong	

Date	Time	Topic	Lecturer	
FSTX 8007 Project				
Sat 26/03	10:00-12:00	2nd Student-Staff Consultation Meeting	Core Programme Team	KK101
		Lunch		
	14.00-16.00	FSTX 8007 Project Selection Meeting	CY Ma	
Fri 26/08	09.30-13.00	Project Presentations (1)	CY Ma	KK101
		Lunch		
	14.00-17.30	Project Presentations (2)	CY Ma	
Sat 27/08	09.30-13.00	Project Presentations (3)	CY Ma	KK101
		Lunch		
	14.00-17.30	Project Presentations (4)	CY Ma	

Notes: Venue LE Library Extension
MW Meng Wah Complex
MB Main Building
KK K K Leung Building

18.05.2020 (1); 23.08.2021 (2)