

University of Hong Kong
School of Biological Sciences
Master of Science in Food Safety and Toxicology
2023-24 Timetable (Semester 1)

Date	Time	Topic	Lecturer	
FSTX7001 Principles of toxicology I				
Sat 02/09	11:00-13:00	Orientation & Introduction to the M.Sc. Programme	Programme Team	LE4
Tue 05/09	18:30-20:30	Nature of acute toxicity	D Kitts	LE8
	20:30-21:30	Tutorial	D Kitts	
Wed 06/09	18:30-20:30	Nature of delayed toxicity (1)	D Kitts	MB237
	20:30-21:30	Tutorial	D Kitts	
Thu 07/09	18:30-20:30	Nature of delayed toxicity (2)	D Kitts	MB237
	20:30-21:30	Tutorial	D Kitts	
Tue 12/09	18:30-20:30	Disposition of toxicants (1)	MS Yang	LE8
	20:30-21:30	Tutorial	MS Yang	
Wed 13/09	18:30-20:30	Disposition of toxicants (2)	MS Yang	MB237
	20:30-21:30	Tutorial	MS Yang	
Fri 15/09	18:30-21:30	Introduction to lab and group work	R Juvonen	MB237
Sat 16/09	10:00-13:00	Lab: Metabolism of xenobiotics	R Juvonen	MB237
		Lunch		
	14:00-16:00	Lab: Results and discussion	R Juvonen	
	16:00-17:00	Group work	R Juvonen	
Fri 29/09	18:30-21:30	FSTX 7001- Final Examination		LE1

Date	Time	Topic	Lecturer	
FSTX7002 Principles of toxicology II				
Tue 03/10	18:30-20:30	Developmental and reproductive toxicology (1)	K Korach	LE8
	20:30-21:30	Tutorial	K Korach	
Wed 04/10	18:30-20:30	Developmental and reproductive toxicology (2)	K Korach	MB237
	20:30-21:30	Tutorial	K Korach	
Mon 09/10	18:30-20:30	Immunotoxicology (1)	H Alenius	MB237
	20:30-21:30	Tutorial	H Alenius	
Tue 10/10	18:30-20:30	Immunotoxicology (2)	H Alenius	LE8
	20:30-21:30	Tutorial	H Alenius	
Wed 11/10	10:00-12:00	Nanotoxicology	H Alenius	MB167
	12:00-13:00	Tutorial	H Alenius	
Mon 16/10	10:00-12:00	Cancer and cancer biology	R Coulombe	MB237
	12:00-13:00	Tutorial	R Coulombe	
Tue 17/10	10:00-12:00	Environmental toxicology and chemistry	R Coulombe	LE6
	12:00-13:00	Biomagnification of toxicants	R Coulombe	

Wed 18/10	10:00-12:00	Non-carcinogenic natural toxins in foods	R Coulombe	LE8
	12:00-13:00	Tutorial	R Coulombe	
Sat 28/10	10:00-13:00	FSTX 7002 - Final Examination		MWT2

Date	Time	Topic	Lecturer	
FSTX7003 Toxicity tests and hazards evaluation methods				
Tue 31 /10	18:30-19:30	Evaluation of acute, subchronic and chronic toxicity	J Rysa	LE8
	19:30-20:30	Testing for dermal toxicity and eye irritancy	J Rysa	
	20:30-21:30	Tutorial	J Rysa	
Wed 01/11	18:30-19:30	Testing for mutagenicity and genotoxicity	J Rysa	MB237
	19:30-20:30	Evaluation of carcinogenicity	J Rysa	
	20:30-21:30	Tutorial	J Rysa	
Thu 02/11	18:30-19:30	Evaluation of reproductive toxicity	J Rysa	MB237
	19:30-20:30	Evaluation of teratogenicity and developmental toxicity	J Rysa	
	20:30-21:30	Tutorial	J Rysa	
Fri 03/11	17:30-21:30	Food toxicity testing: Measuring estrogen levels in food using transgenic fish embryos (1) - Experimental	X Chen	MB237
Sat 04/11	10:00-13:00	Innovative biotests for food toxicity	X Chen	MB237
		Lunch		
	14:00-17:00	Food toxicity testing: Measuring estrogen levels in food using transgenic fish embryos (2) - Data collection and Discussion	X Chen	
Mon 06/11	18:30-20:30	Methods in estimating food consumption and dietary intake (1)	K Whitfield	MB237
	20:30-21:30	Tutorial	K Whitfield	
Tue 07/11	18:30-20:30	Methods in estimating food consumption and dietary intake (2)	K Whitfield	LE8
	20:30-21:30	Tutorial	K Whitfield	
Wed 08/11	18:30-20:30	Epidemiology and biostatistics 1	C Dash	MB237
	20:30-21:30	Tutorial	C Dash	
Thu 09/11	18:30-20:30	Epidemiology and biostatistics 2	C Dash	MB237
	20:30-21:30	Tutorial	C Dash	
Fri 10/11	18:30-20:30	Machine learning for Toxicology	G Yin	MB237
	20:30-21:30	Tutorial	G Yin	
Sat 11/11	18:30-20:30	Machine learning for Toxicology	G Yin	MB237
	20:30-21:30	Tutorial	G Yin	
Mon 13/11	17:30-21:30	Analytical toxicology: Principles and methodology (1) + Tutorial	S Auriola	MB237
Tue 14/11	18:00-22:00	Analytical toxicology: Principles and methodology (2) + Tutorial	S Auriola	LE8
Fri 24/11	18:30-21:30	FSTX 7003 - Final Examination		LE1

Date	Time	Topic	Lecturer	
FSTX7004 Regulatory toxicology: risk assessment, risk management and				
Mon 27/11	18:30-21:30	Chemical risk assessment: Principles and methodology	S Ma	MB237
Wed 29/11	10:00-13:00	Chemical risk assessment - Case studies / Tutorial	S Ma	TT403
	14:00-17:00	Principles of food laws	N Pathiraja	MB237
Thu 30/11	10:00-13:00	Hong Kong Food Laws and Regulations	N Pathiraja	LE2
	15:30-18:30	Chemical risk management - Principles and methodology	N Pathiraja	LE5
Fri 01/12	10:00-13:00	Risk management / risk communication of chemical incidence in	N Pathiraja	MB167
Tue 05/12	13:00-16:00	Food safety and risk management - A role play (part 1)	W Kneifel	CBA
Wed 06/12	13:00-16:00	Food safety and risk management - A role play (part 2)	W Kneifel	CYPP3 CYCP1
	17:00-20:00	Food safety and risk management - A role play (part 3)	W Kneifel	
Fri 08/12	13:00-16:00	Food safety and risk management - A role play (finale)	W Kneifel	CBA
Mon 11/12	10:00-12:00	International/Canadian/USA Food Safety Regulations	P Chan	CBA
	12:00-13:00	Setting guidance values of chemical residues in food (1)	P Chan	
Tue 12/12	10:00-12:00	Regulatory decision making: issues, challenges and factors to	P Chan	CBA
	12:00-13:00	Case studies / Tutorial	P Chan	
Wed 13/12	10:00-12:00	Setting guidance values of chemical residues in food (2)	P Chan	CBA
	12:00-13:00	Case studies / Tutorial	P Chan	
	14:00-16:00	Risk assessment of novel foods and GMO	H Raunio	CYPP3
	16:00-17:00	Regulation of novel foods in the European Union	H Raunio	
Thu 14/12	10:00-13:00	China Food Laws and Regulations (1)	M Kan	CBA
Fri 15/12	10:00-13:00	China Food Laws and Regulations (2)	M Kan	CBA
	14:30-16:30	1st Student-Staff Consultation Meeting	Programme Team	
Tue 02/01/2024	10:00-13:00	FSTX 7004 - Final Examination		KB223

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

Notes:

<u>Venue</u>	
MB	Main Building
LE	Library Extension
CYP	Chong Yuet Ming Physics Building
CBA	Chow Yei Ching Building
MW	Meng Wah Complex
KB	Knowles Building
Lab	Kadoorie Biological Sciences Building

Updated on 2023.08.01 (1), 2023.08.14 (2)

University of Hong Kong
School of Biological Sciences
Master of Science in Food Safety and Toxicology
2023-24 Timetable (Semester 2)

Date	Time	Topic	Lecturer	
FSTX 8005 Chemical and microbial hazards in food				
Wed 03/01/2024	10.00-12.00	Naturally occurring chemical hazards: Plant derived	P Turner	TT404
	12.00-13.00	Tutorial	P Turner	
Thu 04/01	10.00-12.00	Naturally occurring chemical hazards: Fungi derived	P Turner	TT404
	12.00-13.00	Tutorial	P Turner	
Fri 05/01	10:00-12:00	Food additives and contaminants	P Turner	TT404
	12:00-13:00	Tutorial	P Turner	
Sat 06/01	10:00-12:00	Pesticides	P Turner	TT404
	12:00-13:00	Tutorial	P Turner	
Mon 08/01	10.00-13.00	Food-borne pathogens practical (1) - Quality of minced meat	J Korhonen	TT404
Tue 09/01	10.00-13.00	Food-borne pathogens practical (2) - Antibiotic resistance determinations	J Korhonen	TT404
		Lunch		
	14.00-17.00	Food-borne pathogens practical (3) - Growth inhibition by disinfection agents	J Korhonen	
Wed 10/01	10.00-13.00	Food-borne pathogens practical (4) - Gramstaining, counting the results, summary	J Korhonen	TT404
Thu 11/01	10:00-12:00	Transformation of chemical toxicants during food processing (1)	MF Wang	TT404
	12:00-13:00	Tutorial	MF Wang	
Fri 12/01	10:00-12:00	Transformation of chemical toxicants during food processing (2)	MF Wang	TT404
	12:00-13:00	Tutorial	MF Wang	
Mon 15/01	18:30-20:30	Review of core issues in food microbiology; prevalent organisms and their control	S Forsythe	MB237
	20:30-21:30	Trends in food microbiology and safety; epidemiology, networks & HACCP	S Forsythe	
Tue 16/01	18.30-19.30	Microbial growth modelling	S Forsythe	MB237
	19.30-21.30	Outbreak investigation studies	S Forsythe	
Wed 17/01	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	LE6
	20:30-21:30	Genomic studies of the emergent bacterial pathogen <i>Cronobacter</i>	S Forsythe	
Thu 18/01	18.30-19.30	Current topics in food microbiology: (a) Limitations associated with end-product testing (b) Emerging enteric pathogens	S Forsythe	MB237
	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	
Fri 26/01	18.30-21.30	FSTX 8005 Final Examination		CYPP2

Date	Time	Topic	Lecturer	
FSTX 8006 Food Safety Management				
Mon 29/01	18.30-21.30	Good Manufacture Practice (GMP) 1	M Wong	MB237
Tue 30/01	18.30-20.30	Good Manufacture Practice (GMP) 2	M Wong	MB237
	20.30-21.30	Tutorial	M Wong	
Wed 31/01	18.30-21.30	Product traceability in the food chain 1	M Wong	LE6
Thu 01/02	18.30-20.30	Product traceability in the food chain 2	M Wong	MB237
	20.30-21.30	Tutorial	M Wong	
Fri 02/02	18.30-21.30	Introduction to ISO 22000 and HACCP	B Cheung	MB237
Sat 03/02	10.00-13.00	Developing a HACCP Plan	B Cheung	MB237
		Lunch		
	14.00-16.00	Implementation of a HACCP Plan	B Cheung	
	16.00-17.00	Tutorial - Q&A	B Cheung	
Mon 05/02	18.30-21.30	Business Ethics in Food Industry (1)	A Cheung	MB237
Tue 06/02	18.30-21.30	Business Ethics in Food Industry (2)	A Cheung	MB237
Wed 07/02	18.30-20.30	Business Ethics in Food Industry (3)	A Cheung	LE6
	20.30-21.30	Tutorial	A Cheung	
Wed 21/02	18.30-21.30	FSTX 8006 Final Examination		CYPP2
	TBC	Visit to Swire Coca-Cola Plant / Yakult Plant, NT	M Kan	
	TBC	Visit to GS1 HK IOT Centre, HK	M Wong	

Date	Time	Topic	Lecturer	
FSTX 8007 Project				
Sat 24/02	10:00-12:00	2nd Student-Staff Consultation Meeting	Programme Team	MB237
		Lunch		
	14.00-16.00	FSTX 8007 Project Selection Meeting	E Choi	
Fri 23/08	09.30-13.00	Project Presentations (1)	CY Ma	TT404
		Lunch		
	14.00-17.30	Project Presentations (2)	CY Ma	
Sat 24/08	09.30-13.00	Project Presentations (3)	CY Ma	TT404
		Lunch		
	14.00-17.30	Project Presentations (4)	CY Ma	

Notes:

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Updated on 2023.08.01