

**University of Hong Kong**  
**School of Biological Sciences**  
**Master of Science in Food Safety and Toxicology**  
**2020-21 Timetable (Semester 1)**

Date	Time	Topic	Lecturer	Venue
<b>FSTX7001</b>				
<b>Principles of toxicology I</b>				
Fri 04/09/2020	13.00-15.00	Orientation & Introduction to the M.Sc. Programme	Programme Team	Online via Zoom
Tue 08/09	10:00	Lecture recording "Food Toxicology (1)" accessible via Moodle	D Kitts	Online Study
Wed 09/09	10:00	Lecture recording "Food Toxicology (2)" accessible via Moodle	D Kitts	Online Study
Thu 10/09	10:00	Lecture recording "Food Toxicology (3) - Tutorial" accessible via Moodle	D Kitts	Online Study
Fri 11/09	10:00	Lecture recording "Disposition of Toxicants (1)" accessible via Moodle	MS Yang	Online Study
Mon 14/09	10:00	Lecture recording "Disposition of Toxicants (2)" accessible via Moodle	MS Yang	Online Study
Tue 15/09	14:00 - 16:00	Online tutorial via Zoom on lectures covered by Dr. Mildred Yang; Q&A	MS Yang	Online via Zoom
Wed 16/09	10:00	Video/recording "Introduction to Lab Work and Experimental Protocol" accessible via Moodle	R Juvonen	Online Study
Thu 17/09	14.00-17.00	1st online meeting via Zoom to discuss the lecture/lab videos and experimental data ; Q&A	R Juvonen	Online via Zoom
Sat 19/09	14.00-17.00	2nd online meeting via Zoom to discuss data analysis and give instructions on lab report write-up	R Juvonen	Online via Zoom
Mon 05/10	12:00 noon	<b>FSTX 7001- Final Course Assessment - Deadline for submission:</b> 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.		

Date	Time	Topic	Lecturer	Venue
<b>FSTX7002</b>				
<b>Principles of toxicology II</b>				
Wed 07/10	18.30-20.30 20.30-21.30	Developmental and reproductive toxicology (1) Tutorial	K Korach K Korach	CYPP3 / Online via Zoom
Thu 08/10	18.30-20.30 20.30-21.30	Developmental and reproductive toxicology (2) Tutorial	K Korach K Korach	KKLG109 Online via Zoom
Fri 09/10	18.30-20.30 20.30-21.30	Immunotoxicology (1) Tutorial	H Alenius H Alenius	CYPP3 / Online via Zoom
Mon 12/10	15.00-17.00 17.00-18.00	Immunotoxicology (2) Tutorial	H Alenius H Alenius	CYPP3 / Online via Zoom
Tue 13/10	15.00-17.00 17.00-18.00	Nanotoxicology Tutorial	H Alenius H Alenius	CYPP3 / Online via Zoom
Wed 14/10	09:00-11:00 11:00-12:00	Cancer and cancer biology Tutorial	R Coulombe R Coulombe	CYPP3 / Online via Zoom
Thu 15/10	09:00-11:00 11:00-12:00	Environmental toxicology and chemistry Biomagnification of toxicants	R Coulombe R Coulombe	KKLG109 / Online via Zoom
Fri 16/10	09:00-11:00 11:00-12:00	Non-carcinogenic natural toxins in foods Tutorial	R Coulombe R Coulombe	CYPP3 / Online via Zoom
Mon 02/11	18.30-21.30	<b>FSTX 7002 - Final Examination</b>		Online / KKL109

Date	Time	Topic	Lecturer	Venue
<b>FSTX7003</b>				
<b>Toxicity tests and hazards evaluation methods</b>				
Tue 03/11	18.30-19.30 19.30-20.30 20.30-21.30	Evaluation of acute, subchronic and chronic toxicity Testing for dermal toxicity and eye irritancy Tutorial	J Rysa J Rysa J Rysa	CYPP3 / Online via Zoom
Wed 04/11	14:30-15:30 15:30-16:30 16:30-17:30	Testing for mutagenicity and genotoxicity Evaluation of carcinogenicity Tutorial	J Rysa J Rysa J Rysa	CYPP3 / Online via Zoom
Thu 05/11	18.30-19.30 19.30-20.30 20.30-21.30	Evaluation of reproductive toxicity Evaluation of teratogenicity and developmental toxicity Tutorial	J Rysa J Rysa J Rysa	KKLG109 / Online via Zoom
Fri 06/11	9:00 19.30-21.30	Epidemiology and biostatistics 1 & 2 - Lecture recordings Tutorial / Case study 1	C Dash C Dash	Online self-study LE5 / Online via Zoom
Sat 07/11	10.00-12.00	Tutorial / Case study 2	C Dash	CYPP3 / Online via Zoom
Mon 09/11	18.30-20.30 20.30-21.30	Methods in estimating food consumption and dietary intake (1) Tutorial	H Mykkanen H Mykkanen	KKLG109 / Online via Zoom
Tue 10/11	18.30-20.30 20.30-21.30	Methods in estimating food consumption and dietary intake (2) Tutorial	H Mykkanen H Mykkanen	CYPP3 / Online via Zoom

Wed 11/11	14:30-17:30	Analytical toxicology: Principles and methodology (1)	I Chu	CYPP3 / Online via Zoom
Thu 12/11	9.30-11.30	Analytical toxicology: Principles and methodology (2)	I Chu	KKLG109 / Online via Zoom
	11.30-12.30	Tutorial (Computer)	I Chu	
Fri 13/11	17.30-21.30	Food toxicity testing: Measuring estrogen levels in food using transgenic fish embryos (1) - Experimental	X Chen	CYPP3 / Lab E
Sat 14/11	10.00-13.00	Innovative biotests for food toxicity	X Chen	CYPP3 / Lab E
		Lunch		
	14.00-17.00	Food toxicity testing: Measuring estrogen levels in food using transgenic fish embryos (2) - Data collection and Discussion	X Chen	CYCP1 / Lab E
<b>Tue 01/12</b>	<b>14.00-16.30</b>	<b>FSTX 7003 - Final Examination</b>		<b>Online</b>

Date	Time	Topic	Lecturer	
<b>FSTX7004</b>				
<b>Regulatory toxicology: risk assessment, risk management and communication</b>				
Wed 02/12	10:00-13:00	Chemical risk assessment: Principles and methodology	S Ma	CYPP3 / Online via Zoom
Thu 03/12	14:00-17:00	Chemical risk assessment - Case studies / Tutorial	S Ma	CYPP3 / Online via Zoom
Fri 04/12	10:00-13:00	Chemical risk management - Principles and methodology	N Pathiraja	CYPP3 / Online via Zoom
Sat 05/12	14:00-17:00	Principles of food laws	N Pathiraja	CYPP4 / Online via Zoom
Mon 07/12	10.00-13.00	Hong Kong Food Laws and Regulations	N Pathiraja	CYPP3 / Online via Zoom
		Lunch		
	14.00-17.00	Risk management / risk communication of chemical incidence in food - Case studies / Tutorial	N Pathiraja	
Tue 08/12	10.00-13.00	Food safety and risk management - A role play (part 1) - Lecture recordings	W Kneifel	CYPP3 / Online: Self-study
Wed 09/12	10.00-13.00	Food safety and risk management - A role play (part 2) - Lecture recordings	W Kneifel	CYPP3 / Online: Self-study
		Lunch		
	14.00-17.00	Food safety and risk management - A role play (part 3) - Lecture recordings	W Kneifel	
Fri 11/12	15:30-18:30	Food safety and risk management - A role play (finale)	W Kneifel	CYPP4 / Online: via Zoom
Sat 12/12	10.00-12.00	International/Canadian/USA Food Safety Regulations	P Chan	CYPP4 / Online via Zoom
	12.00-13.00	Setting guidance values of chemical residues in food (1)	P Chan	
Mon 14/12	10.00-12.00	Setting guidance values of chemical residues in food (2)	P Chan	CYPP3/ Online via Zoom
	12.00-13.00	Case studies / Tutorial	P Chan	
Tue 15/12	10.00-12.00	Regulatory decision making: issues, challenges and factors to consider	P Chan	CYPP3 / Online via Zoom
	12.00-13.00	Case studies / Tutorial	P Chan	
Wed 16/12	9:00	Risk assessment of novel foods and GMO; Regulation of novel foods in the EU - Lecture recordings	H Raunio	Online self-study
	16:30-17:30	Tutorial / Q&A	H Raunio	CYPP4 / Online via Zoom
Thu 17/12	10:00-13:00	China Food Laws and Regulations (1)	M Kan	CYPP3 / Online via Zoom
Fri 18/12	10:00-13:00	China Food Laws and Regulations (2)	M Kan	CYPP3 / Online via Zoom
Sat 19/12	10:00-12:00	1st Student-Staff Consultation Meeting FSTX 8007 Project Briefing	Core Programme Team CY Ma	CYPP3 / Online via Zoom
<b>Mon 04/01/2021</b>	<b>12:00 noon</b>	<b>Deadline for submission of all FSTX 7004 course papers &amp; home assignments</b>		<b>Online via Moodle</b>

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

**Notes:**

Venue	CPD3.28	Central Podium Levels Three, The Jockey Club Tower
	CYPP	Chong Yuet Ming Physics Building
	CYCP	Chong Yuet Ming Chemistry Building
	KKL	K.K. Leung Building
	LE	Library Extension
	KBSB	Kadoorie Biological Sciences Building

18.05.2020 (1); 24.07.2020 (2); 17.08.2020 (3); 4.09.2020 (4); 22.09.2020 (5); 2.10.2020 (6); 8.10.2020 (7); 10.11.2020 (8); 13.11.2020 (9)

School of Biological Sciences  
**Master of Science in Food Safety and Toxicology**  
**2020-21 Timetable (Semester 2)**

Date	Time	Topic	Lecturer	Venue
<b>FSTX 8005 Chemical and microbial hazards in food</b>				
Tue 05/01/2021	10:00-12:00	Naturally occurring chemical hazards: Plant derived	P Turner	CYPP4 / Online via Zoom
	12:00-13:00	Tutorial	P Turner	
Wed 06/01	10:00-12:00	Naturally occurring chemical hazards: Fungi derived	P Turner	CYCP1 / Online via Zoom
	12:00-13:00	Tutorial	P Turner	
Thu 07/01	10:00-12:00	Food additives and contaminants	P Turner	CYCP1 / Online via Zoom
	12:00-13:00	Tutorial	P Turner	
Fri 08/01	10:00-12:00	Pesticides	P Turner	Zoom
	12:00-13:00	Tutorial	P Turner	
Mon 11/01	10:00-13:00	Food-borne pathogens practical (1) - Quality of minced meat	J Korhonen	Lab E / Live Stream
Tue 12/01	10:00-13:00	Food-borne pathogens practical (2) - Antibiotic resistance determinations	J Korhonen	Lab E / Live Stream via Zoom
	14:00-17:00	Food-borne pathogens practical (3) - Growth inhibition by disinfection agents	J Korhonen	
Wed 13/01	10:00-12:00	Food-borne pathogens practical (4) - Gramstaining; counting the results; Summary; Tutorial; Q&A	J Korhonen	Lab E / Live Stream via Zoom
	12:00-13:00		J Korhonen	
Thu 14/01	10:00-12:00	Transformation of chemical toxicants during food processing (1)	MF Wang	CYCP1 / Online via Zoom
	12:00-13:00	Tutorial	MF Wang	
Fri 15/01	10:00-12:00	Transformation of chemical toxicants during food processing (2)	MF Wang	Zoom
	12:00-13:00	Tutorial	MF Wang	
Mon 18/01	18:30-20:30	Review of core issues in food microbiology; prevalent organisms and their control	S Forsythe	CYCP1 / Online via Zoom
	20:30-21:30	Trends in food microbiology and safety; epidemiology, networks & HACCP	S Forsythe	
Tue 19/01	18:30-19:30	Microbial growth modelling	S Forsythe	CYPP4 / Online via Zoom
	19:30-21:30	Outbreak investigation studies	S Forsythe	
Wed 20/01	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	CYCP1 / Online via Zoom
	20:30-21:30	Genomic studies of the emergent bacterial pathogen <i>Cronobacter</i>	S Forsythe	
Thu 21/01	18:30-19:30	Current topics in food microbiology: (a) Limitations associated with end-product testing (b) Emerging enteric pathogens	S Forsythe	KCLG109 / Online via Zoom
	19:30-20:30	Topical discussion of food safety issues : The role of antibiotics in food production and antibiotic	S Forsythe	
	20:30-21:30	Tutorial - Q & A session	S Forsythe	
Mon 08/02	14:00-16:30	FSTX 8005 Final Examination		Online

Date	Time	Topic	Lecturer	Venue
<b>FSTX 8006 Food Safety Management</b>				
Mon 22/02	18.30-21.30	Good Manufacture Practice (GMP) 1	M Wong	CYCP1
Tue 23/02	18.30-20.30	Good Manufacture Practice (GMP) 2	M Wong	CYPP4
	20.30-21.30	Tutorial	M Wong	

Wed 24/02	18.30-21.30	Product traceability in the food chain 1	M Wong	CYCP1
Thu 25/02	18.30-20.30	Product traceability in the food chain 2	M Wong	KKLG109
	20.30-21.30	Tutorial	M Wong	
Mon 01/03	18.30-21.30	Introduction to ISO 22000 and HACCP	B Cheung	CYCP1
Tue 02/03	18.30-21.30	Developing a HACCP Plan	B Cheung	CYPP4
Wed 03/03	18.30-20.30	Implementation of a HACCP Plan	B Cheung	CYCP1
	20.30-21.30	Tutorial - Q&A	B Cheung	
Fri 05/03	18.30-21.30	Business Ethics in Food Industry (1)	A Cheung	CYCP1
Mon 08/03	10.00-13.00	Business Ethics in Food Industry (2)	A Cheung	CYCP1
		Lunch		
	14.00-16.00	Business Ethics in Food Industry (3)	A Cheung	
	16.00-17.00	Tutorial - Q&A	A Cheung	
<b>Mon 22/03</b>	<b>18.30-21.30</b>	<b>FSTX 8006 Final Examination</b>		<b>CYCP1</b>
23/03 -26/03	TBC	Visit to Swire Coca-Cola Plant/ Yakult Plant, NT	M Kan	
23/03 -26/03	TBC	Visit to GS1 HK IOT Centre	M Wong	

Date	Time	Topic	Lecturer	
<b>FSTX 8007 Project</b>				
Sat 13/03	10:00-12:00	2nd Student-Staff Consultation Meeting	Core Programme Team	CYCP1
		Lunch		
	14.00-17.00	FSTX 8007 Project Selection Meeting	CY Ma	
Fri 27/08	09.30-13.00	Project Presentations (1)	CY Ma	CYCP1
		Lunch		
	14.00-17.30	Project Presentations (2)	CY Ma	
Sat 28/08	09.30-13.00	Project Presentations (3)	CY Ma	CYCP1
		Lunch		
	14.00-17.30	Project Presentations (4)	CY Ma	

Notes:

Venue	CYCP	Chong Yuet Ming Chemistry Building
	CYPP	Chong Yuet Ming Physics Building
	KKL	K.K. Leung Building
	Lab E	Kadoorie Biological Sciences Building

18.05.2020 (1); 24.07.2020 (2); 17.08.2020 (3); 30.12.2020 (4)