

Course Title (in Eng)	Disaster and Humanitarian Crisis
Course Title (in Chinese)	災難及人道危機
Course Code	POPG5006
Module Coordinator	Emily Chan
Credits	2
Prerequisite (s) or Recommended Background	Level: [] Beginner [x] Advanced MPH students: Pre-requisite: POPG5001 Non-MPH students are required to have relevant academic or work experience upon decision by module coordinator
Effective from the academic year/ term	2017 - 2018
Time	See below
Description (in English) (maxi 100 characters. To be shown on transcript.)	Disaster and humanitarian responses are crucial elements in public health practices. Humanitarian relief actions often highlight the importance of mitigation, preparedness, training and multidisciplinary collaborative response within and beyond the health and medical sector. This course offers an overview of the disaster management cycle and the public health and medical implications of disaster and humanitarian crisis. It aims to show how public health principles may be applied in disaster relief and how evidence-based health related humanitarian actions can be planned, implemented and evaluated.
Description (in Chinese)	災難及人道救援乃環球社區下的公共衛生實踐原素。人道支援行為特顯緩災、防災、培訓及多方合作的重要性。本課程闡述災害管理週期，以及災害及人道危機於公共衛生及醫學上的含意及牽連。同時，本課程介紹公共衛生原則於災害救援的應用，以至如何計劃、落實及評估循證的人道救援行動。

I. Content

Topic	Contents/fundamental concepts
1. Public Health and Humanitarian Principles in disaster settings	<ul style="list-style-type: none"> • Humanitarian principles • Application of public health principles in disaster settings • Global humanitarian response systems, resources and actors
2. Fundamentals of Disaster Management cycle	<ul style="list-style-type: none"> • Disaster cycle (management and response) • Disaster management systems (local and national) • Global disaster response policies (Sphere Standards) • Issues in disaster and medical humanitarian settings (Health service provision, logistics and prioritisation)
3. Mitigation and Preparedness: Management of Natural disasters	<ul style="list-style-type: none"> • Epidemiology of natural disasters • Health, medical and humanitarian implications of natural disaster (earthquake, floods and meteorological related disasters) • Health needs of mobile population • Planning Strategies on mitigation and preparedness
4. Mitigation and Preparedness: Management of Man-made disasters	<ul style="list-style-type: none"> • Epidemiology of man-made disasters • Health, medical and humanitarian implications of man-made disasters (nuclear, fire, transport and industrial accidents) • Planning Strategies on mitigation and preparedness
5. Mitigation and Preparedness: Management of Complex emergencies	<ul style="list-style-type: none"> • Epidemiology of complex emergencies • Health, medical and humanitarian implications of complex emergencies (Ethiopia Famine, Rwanda, Niger crisis) • Issues in disaster and medical humanitarian settings (security risks and health systems in fragile states)

	<ul style="list-style-type: none"> • Planning Strategies on mitigation and preparedness
6. Public Health and Medical Humanitarian Response in Disaster Relief	<ul style="list-style-type: none"> • Rapid Health Needs Assessment: initial clinical needs and disease pattern • Public health and medical response to disaster relief events • Introduction to the role of medical specialties and health systems
7. Disaster Preparedness, Resilience and International Policies: Planning and Evaluation	<ul style="list-style-type: none"> • Current international policy updates • Needs of vulnerable subgroups & for disaster preparedness and resilience • Principles of health needs, program planning and evaluation • Disaster risk reduction, training and collaborations, and limitations

II. Learning Outcomes or Objectives of the Course

Student should be able to:

1. understand and identify key health and medical implications in humanitarian settings;
2. apply public health principles in disaster response and humanitarian settings;
3. gain an overview of the disaster management cycle and its respective planning in humanitarian settings;
4. devise disaster risk reduction strategies for disaster management programs to respond to population needs in disaster and humanitarian relief settings.

III. Course Schedule

Term : Summer

Time: [x] am [x] pm [] evening [] Saturday [] Sunday

Day	Date 2016	Hrs	Topic	Format	Lecturer	Venue	Requirement or HW
1	19 June 2018 (Tue) AM 9:30-11:30am	2	Public health & Humanitarian Principles in Disaster Settings	Lecture	Emily Chan	TBC	
	19 June 2018 (Tue) AM 11:30-1:30pm	2	Disaster management system (local and mainland)	Lecture	Sida Liu		
	19 June 2018 (Tue) PM 2:30-5:30pm	3	Management of Natural Disasters	Lecture	Emily Chan		
2	20 June 2018 (Wed) AM 9:30-12:30pm	3	Management of Man-made Disasters & Complex Emergencies	Lecture	Emily Chan	TBC	
	20 June 2018 (Wed) PM 2:30-5:30pm	3	Humanitarian Crisis: Simulation Exercise	In-class Exercise	Tutor		

3	21 June 2018 (Thu) AM 9:30-11:30am	2	Preparedness, Resilience and International Policies in Disaster Settings	Lecture	Emily Chan	TBC	
	21 June 2018 (Thu) AM 11:30-1:30pm	2	Mental health issues relevant to Disaster and Humanitarian Crisis	Lecture	Emily Chan / Guest speaker		
4	22 June 2018 (Fri) AM 9:30-11pm	1.5	Tutorial / Case discussion (1) - On Shaky Ground: Disaster Preparedness and Response in Nepal	Tutorial	Cheuk Pong Chiu / Guest speaker	TBC	
	22 June 2018 (Fri) AM 11-12:30pm	1.5	Tutorial / Case discussion (2) - Fukushima Daiichi: The Path to Nuclear Meltdown	Tutorial	Cheuk Pong Chiu / Guest speaker		
	22 June 2018 (Fri) PM 2:30-4pm	1.5	Tutorial / Case discussion (3)- the Rohingya crisis in Myanmar	Tutorial	Cheuk Pong Chiu / guest speaker		
	22 June 2018 (Fri) PM 4-6:30pm	2.5	Revision & Examination	Exam	Tutor		

V. Assessment

Assessment Scheme	Description	Weight
Attendance	*Students are expected to attend at least 80% of the lectures to be eligible to sit in the final examination.	*0%
Program Strategy Proposal	Disaster Risk Reduction Strategies within a Disaster Management Programme <ul style="list-style-type: none"> - Not more than 1000 words (Less than 4 pages) - Content: <ul style="list-style-type: none"> • describe a disaster/humanitarian crisis • frame the proposal under the four phases of disaster management cycle • propose a feasible strategic disaster risk reduction plan (with implementation timeline and outcome evaluation) <p><i>*Please submit both hardcopy and softcopy to TA</i></p>	50%
Final Examination	<ul style="list-style-type: none"> • 60 minutes examination • Based on lectures and topic discussed 	50%

****Program Strategy Proposal & Final Examination are optional for external students.**

VI. Learning Resources for Students

<p>a) Required textbooks or readings</p>	<p>Bradt, D. A. 2009. <i>Evidence-based Decision-making in Humanitarian Assistance</i>. Humanitarian Practice Network Paper, 67. London: Humanitarian Practice Network. Available from: http://www.odihpn.org/documents/networkpaper067.pdf</p> <p>Checchi, F., Gayer, M., Grais, R. F., & Mills, E. J. 2007. <i>Public Health in Crisis-affected Populations: A Practical Guide for Decision-makers</i>. Humanitarian Practice Network Paper, 61. London: Humanitarian Practice Network. Available from: http://www.odihpn.org/documents/networkpaper061.pdf</p> <p>Guha-Sapir, D., Hoyois, P., Below, R.. 2014. <i>Annual Disaster Statistical Review 2014: The Numbers and Trends</i>. CRED. Brussels: CRED. Available from: http://cred.be/sites/default/files/ADSR_2014.pdf</p> <p>United Nations Office for the Coordination of Humanitarian Affairs. 2012. <i>OCHA on Message: Humanitarian Principles</i>. Available from: https://docs.unocha.org/sites/dms/Documents/OOM-humanitarianprinciples_eng_June12.pdf</p> <p>Twigg, J. 2015. Good Practice Review 9: Disaster Risk Reduction. London: Overseas Development Institute. Available from: http://goodpracticereview.org/wp-content/uploads/2015/10/GPR-9-web-string-1.pdf</p>
<p>b) Recommended readings or resources</p>	<p>Castleden, M., McKee, M., Murray, V., Leonardi, G. 2001. <i>Resilience Thinking in Health Protection</i>. <i>Journal of Public Health</i>, 33(3), pp. 369-377. Available from: http://intl-jpubhealth.oxfordjournals.org/content/early/2011/04/06/pubmed.fdr027.full.pdf</p> <p>Chan, E.Y.Y. 2013. <i>Bottom-Up Disaster Resilience</i>. <i>Nature Geoscience</i>, 6, pp. 327-328. Available from: http://www.nature.com/ngeo/journal/v6/n5/pdf/ngeo1815.pdf</p> <p>Doocy, S., et al. 2013. <i>The Human Impact of Tsunamis: a Historical Review of Events 1900-2009 and Systematic Literature Review</i>. PLOS Currents Disasters. Available from: http://currents.plos.org//disasters/article/the-human-impacts-of-tsunamis-a-historical-review-of-events-1900-2009-and-systematic-literature-review/pdf</p> <p>Doocy, S., et al. 2013. <i>The Human Impact of Volcanoes: a Historical Review of Events 1900-2009 and Systematic Literature Review</i>. PLOS Currents Disasters. Available from: http://currents.plos.org//disasters/article/the-human-impact-of-volcanoes-a-historical-review-of-events-1900-2009-and-systematic-literature-review/pdf</p> <p>Doocy, S., et al. 2013. <i>The Human Impact of Floods: a Historical Review of Events 1980-2009 and Systematic Literature Review</i>. PLOS Currents Disasters. Available from: http://currents.plos.org//disasters/article/the-human-impact-of-floods-a-historical-review-of-events-1980-2009-and-systematic-literature-review/pdf</p> <p>Doocy, S., et al. 2013. <i>The Human Impact of Earthquakes: a Historical Review of Events 1980-2009 and Systematic Literature Review</i>. PLOS Currents Disasters. Available from: http://currents.plos.org//disasters/article/the-human-impact-of-earthquakes-from-1980-2009-a-historical-review-of-events-1980-2009-and-systematic-literature-review/pdf</p>

IASC Reference Group for Mental Health and Psychosocial Support in Emergency Settings. 2010. *Mental Health and Psychosocial Support in Humanitarian Emergencies: What Should Humanitarian Health Actors Know?*. Geneva: IASC.
Available from:
http://www.who.int/mental_health/emergencies/what_humanitarian_health_actors_should_know.pdf

Inter-Agency Standing Committee (IASC). 2007. *IASC Guidelines on Mental Health and Psychosocial Support in Emergency Settings*. Geneva: IASC.
Available from:
http://www.who.int/mental_health/emergencies/guidelines_iasc_mental_health_psychosocial_june_2007.pdf

International Federation of Red Cross and Red Crescent Societies. 2012. *Caring for Volunteers: A psychosocial toolkit*. Geneva: International Federation of Red Cross and Red Crescent Societies.
Available from:
<http://reliefweb.int/sites/reliefweb.int/files/resources/Caring%20for%20Volunteers%20-%20A%20Psychosocial%20Support%20Toolkit.pdf>

International Federation of Red Cross and Red Crescent Societies. ed. Zetter, R. 2012. *World Disaster Report*. Geneva: International Federation of Red Cross and Red Crescent Societies.
Available from:
<http://www.ifrc.org/PageFiles/99703/1216800-WDR%202012-EN-LR.pdf>

The Sphere Project. 2011. *Humanitarian Charter and Minimum Standards in Humanitarian Response*. Rugby: Practical Action Publishing.
Available from:
<http://www.ifrc.org/PageFiles/95530/The-Sphere-Project-Handbook-2011.pdf>
Available from:
<http://www.spherehandbook.org/>

Stanke, C., et al. 2013. *Health Effects of Drought: a Systematic Review of the Evidence*. PLOS Currents Disasters.
Available from:
<http://currents.plos.org/disasters/article/dis-13-0001-health-effects-of-drought-a-systematic-review-of-the-evidence/>

World Health Organization. 2011. *Psychological First Aid: Guide for Field Workers*. Geneva: World Health Organization.
Available from:
http://apps.who.int/iris/bitstream/10665/44615/1/9789241548205_eng.pdf

World Health Organization. 2011. *Health at the Global Platform for Disaster Risk Reduction: Disaster Risk Management of Health Fact Sheets*. [online].
Available from:
http://www.who.int/hac/events/disaster_reduction_2011/en/

World Health Organization & United Nations High Commissioner for Refugees. 2012 *Assessing Mental Health and Psychosocial Needs and Resources: Toolkit for Humanitarian Settings*. Geneva: WHO.
Available from:
http://apps.who.int/iris/bitstream/10665/76796/1/9789241548533_eng.pdf

VII. Teaching Staff (Teacher & TA inclusive)

Name:	Emily Chan (Main lecturer)
Office Location:	3/F, School of Public Health Building, PWH, Shatin
Telephone:	2252 8468
Email:	emily.chan@cuhk.edu.hk

Name:	Janice Ho (Tutor)
Office Location:	5/F, School of Public Health Building, PWH, Shatin
Telephone:	2252 8883
Email:	janice.hk@link.cuhk.edu.hk

VIII. Channels for Feedback for Evaluation

Evaluation will sent to students in the last lecture
--