



International Program in Emergency & Disaster Management

School of Public Health

Sackler Faculty of Medicine, Tel-Aviv University

Introduction to Emergency and Disaster Management

2020-2021 | 3 credits

Moran Bodas, MPH, PhD

Course hours: October 12-December 17, 2020

Prerequisites: None

Course type: Class

Course essence and Rational:

Natural or man-made disasters can cause a crisis on both the individual and the societal levels. On the individual level this can include physical and/or mental harm, economical loss etc. On the societal level, the crisis can affect the economy, infrastructure, public health, and have adverse effects on the political and organizational levels. These effects can be either local or national. The course will examine all stages of emergency management, from prevention and preparedness, through response and recovery.

Course Objectives:

To equip students with tools to better understand and cope with disasters. Upon its completion, the students will get to know the different types of emergency and disaster situations, the different stages of emergency management and the methods utilized by different organizations to cope with them.

Course requirements and grading:

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| 1. Class assignment - Types of disasters | 20% |
| 2. Final exam | 80% |

Students are expected and encouraged to actively participate in classroom discussions



Course contents (changes can be expected):

No.	Topic	Recommended Reading
1	Introduction to disasters: concepts and basic terminology	<ul style="list-style-type: none"> Alexander D, (2002). Principles of Emergency Planning and Management. Oxford University Press. CHAPTER 1 (Library ref.: 363.348 ALE)
2	Stages in emergency management: preparedness	<ul style="list-style-type: none"> Haddow GD, Bullock JA, Coppola DP, (2008). Introduction to Emergency Management - Third edition. Butterworth-Heinemann. CHAPTER 3-6. Available on the Moodle as well.
3	Stages in emergency management: response and recovery	
4	Double lecture:	<ul style="list-style-type: none"> Ciottone GR, (2014). Disaster Medicine. Philadelphia. Elsevier Mosby. CHAPTERS 9-17. (Library ref.: 362.18 DIS)
5	Types of disasters (students presentations)	
6	The social impact of terrorism	<ul style="list-style-type: none"> Peleg K, Bodas M, and Siman-Tov M. (2015). The Social Impact of Terrorism on Civilian Populations - Lessons Learned from Decades of Terrorism in Israel and Abroad. <i>SSQ 97(1)</i>, 75-85. (Available on Moodle)
7	Decision making under uncertainty	<ul style="list-style-type: none"> Dror, Yehezkel. 1988. "Decision Making Under Disaster Conditions." Pp. 255-273 in Comfort, Louise (ed.) <i>Managing Disasters: Administrative and Policy Strategies</i>. Duke University Press: Durham, N.C. (Available on Moodle)
8	Command and control in disasters and mass casualty incidents	<ul style="list-style-type: none"> Peleg, K., Michaelson, M., Shapira, S. C., & Aharonson-Daniel, L. (2003). Principles of emergency management in disasters. <i>Advances in renal replacement therapy</i>, 10(2), 117-121.

No.	Topic	Recommended Reading
9	Introduction to humanitarian aid and international assistance in sudden offset disasters	<ul style="list-style-type: none"> Haddow GD, Bullock JA, and Coppola DP, (2008). Introduction to Emergency Management – Third edition. Butterworth-Heinemann. CHAPTER 8. (Available on Moodle) Brattberg E, (2011), Mobilizing for International Disaster Relief: Comparing US and EU Approaches to the 2010 Haiti Earthquake. <i>Journal of Homeland Security and Emergency Management</i> 8(1). (Available on Moodle)
10	UN agencies roles and responsibilities in disasters	<ul style="list-style-type: none"> UN website: https://www.un.org/en/
11	Wisdom of the crowd - dissemination of life saving competencies to the general public	<ul style="list-style-type: none"> Peleg, K., Bodas, M., Shenhar, G., & Adini, B. (2018). Wisdom of (Using) the Crowds: Enhancing Disasters Preparedness through Public Training in Light Search and Rescue. <i>International Journal of Disaster Risk Reduction</i> 31, 750-757.
12	Introduction to Disaster Psychology	<ul style="list-style-type: none"> Mayunga, J. S. (2007). Understanding and applying the concept of community disaster resilience: a capital-based approach. <i>Summer academy for social vulnerability and resilience building</i>, 1, 16. Bruneau, M. et al. (2003). A framework to quantitatively assess and enhance the seismic resilience of communities. <i>Earthquake spectra</i>, 19(4), 733-752.
13	Anxiety-inducing media - effects of televised traumatic content	<ul style="list-style-type: none"> Bodas, M., Siman-Tov, M., Peleg, K., & Solomon, Z. (2015). Anxiety-inducing media: the effect of constant news broadcasting on the well-being of Israeli television viewers. <i>Psychiatry</i>, 78(3), 265-276.
14	Public Emergency Preparedness – threat perception and behavioral models; the Victimization model	<ul style="list-style-type: none"> Bodas, M. et al. (2015). Perception of the threat of War in Israel-implications for future preparedness planning. <i>Israel Journal of Health Policy Research</i>, 4(1), 35.

No.	Topic	Recommended Reading
15		<ul style="list-style-type: none"> • Bodas, M., Siman-Tov, M., Kreitler, S., & Peleg, K. (2017). Psychological correlates of civilian preparedness for conflicts. <i>Disaster medicine & public health preparedness</i>, 11(4), 451-459. • Olympia, R. P. et al. (2010). Natural disasters and mass-casualty events affecting children and families: a description of emergency preparedness and the role of the primary care physician. <i>Clinical Pediatrics</i>, 49(7):686-698. • Bodas, M., Siman-Tov, M., Kreitler, S., & Peleg, K. (2017). The role of victimization in shaping households' preparedness for armed conflicts in Israel. <i>Disaster Medicine & Public Health Preparedness</i> 12:67–75. • Bodas, M., Siman-Tov, M., Kreitler, S., & Peleg, K. (2018). Evaluation of the efficacy of psychological interventions in promoting preparedness to armed conflicts - a randomized control study. <i>Disaster Medicine & Public Health Preparedness</i> . DOI: 10.1017/dmp.2018.119 • Bodas M. (2018). The dark side of the (preparedness) moon: why promoting public preparedness remains challenging. <i>Disaster Medicine & Public Health Preparedness</i> 1-3. https://doi.org/10.1017/dmp.2018.70
16	Risk Communication (workshop)	
17	Table top simulation	
18	Preparation for the exam	



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Course literature:

Mandatory reading (available on Moodle):

1. Quarantelli E.L. Catastrophes are Different from Disasters: Some Implications for Crisis Planning and Managing Drawn from Katrina. Jun 11, 2006
2. Yehezkel D. (1988). Decision Making Under Disaster Conditions. Pp. 255-273 in Comfort, Louise (ed.) Managing Disasters: Administrative and Policy Strategies. Duke University Press: Durham, N.C.

Non-mandatory reading:

See recommended reading above. Students are expected to enrich their knowledge by reading the recommended reading; however only the mandatory reading listed above might be included in the final exam.

Contact to teacher:

Dr. Moran Bodas | moranbod@tauex.tau.ac.il

Reception hours: Mondays 14:30-15:30 (by appointment)