RDEV40200 Public Health (Medicine)


5 ECTS

Module Coordinator: Niall Roche
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Lecturers: Niall Roche, Mary Corbett, Sarah Robinson, Dr Enida Friel

MODULE OVERVIEW & LEARNING OUTCOMES

Overall Objective: At the end of this module students will be able to manage public health interventions required to address excess and avoidable morbidity (disease), mortality (deaths) and to promote health.

Learning Outcomes

• Has a comprehensive understanding of public health in different emergency contexts.
• Has demonstrated the ability to integrate a public health response into the often complex social and cultural environment of those affected by humanitarian principles.
• Has demonstrated to possess the fundamental skills to plan and implement health interventions in emergencies regarding food security, water and environmental health, communicable diseases, psycho-social/psychological issues, health care services and health information systems.
• Has demonstrated the necessary skills for communicating public health situations and conclusions, to specialist and non-specialist audiences.
• Has a clear understanding of personal health and safety risks in disasters
• Has developed a capacity to cope with personal health and security issues

MODULE DELIVERY

Module will be delivered with the help of lectures, plenary discussions, group work and the use of videos

ASSESSMENT

Details of the assignments and exams are provided below. All submissions must be made via NOHA Blackboard.

1. Project (50%): Please see handout for details. The deadline for submission is 24th October 2016.
2. End-of Module Exam (50%): There will be a 2 hour exam on 28th October 2016. Further details about the exam will be provided during the module.
3. Resits and Remediation:
   http://www.ucd.ie/registry/academicsecretariat/asug/remediationoffailedmodules/
LECTURE SCHEDULE & LESSON PLAN

**Introduction to Public Health and Humanitarian Assistance**

**Date:** 10.10.2016  
**Venue:** L249 Sutherland  
**Time:** 10am - 1pm  
**Lecturer(s):** Niall Roche  
**Email:** roche.niall@gmail.com

**Description:**
- **Learning Outcomes**
  - To gain an understanding of “Emergencies” including phases and scenarios
  - To gain a brief understanding of health and the determinants of health
  - To gain an understanding of the key public health priorities in emergencies

**Readings:**
- NOHA Textbook (draft- nor for circulation)
- Refugee Health, An approach to Emergency Situations, MSF, 1997 – should be available in the library.

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**Health Assessment, Health Systems and Water Supply**

**Date:** 11.10.2016  
**Venue:** 232 ALE Science North  
**Time:** 10am - 1pm  
**Lecturer(s):** Niall Roche  
**Email:** roche.niall@gmail.com

**Description:**
- **Learning Outcomes**
  - To gain an understanding of how to conduct a multi-sectoral health assessment
  - To gain an understanding of health systems and key building blocks of effective health systems
  - To gain a broad understanding of Environmental Health and WaSH in humanitarian action
  - To know the key steps in providing safe water to affected populations.

**Readings:**
- Health Cluster Guide -  
- The Sphere Project, Humanitarian Charter and Minimum Standards in Disaster Response, Oxfam Publishing 2011
- UNICEF’s Global WaSH Cluster website

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**Shelter, Settlement Planning, Excreta and Waste Management**

**Date:** 12.10.2016  
**Venue:** G07  
**Time:** 10am - 1pm  
**Lecturer(s):** Niall Roche  
**Email:** roche.niall@gmail.com

**Description:**
- **Learning Outcomes**
  - To understand the fundamentals of site selection, site planning and shelter as cornerstones of protecting public health during displacement
  - To be aware of public health risks associated with excreta and strategies for dealing with excreta in humanitarian contexts
  - To be aware of the types of wastes produced in disasters, the ways of dealing with such waste and making decisions on taking the right options.

**Readings:**
- UNHCR Emergency Handbook
• Harvey, Peter Baghri, Sohrab and Reed, Bob Emergency Sanitation, Assessment and Programme Design, WEDC, 2002
• Harvey, Peter, Excreta Disposal in Emergencies, A field manual, WEDC, 2007

**Food and Nutrition Security**

Date: 12.10.2016  
Venue: G01  
Time: 2pm-5pm  
Lecturer(s): Mary Corbett  
Email: 

**Description:**
- **Learning Outcomes**
  - To gain an understanding of the role played by Food and Nutrition Security in the protection of public health and the causes of malnutrition
  - To gain an understanding of the components of food security and potential interventions as part of a disaster response.

**Readings:**
- Lancet Series of Articles 2008 and 2013
- Food Security and Nutrition Global Cluster websites

**Vaccines, Essential Drugs, Reproductive Health and Communicable Disease Control**

Date: 13.10.2016  
Venue: Ag1.18  
Time: 11am-1pm  
Lecturer(s): Dr. Enida Friel  
Email: 

**Description:**
- **Learning Outcomes**
  - To gain an understanding of the role played by vaccines and essential drugs in public health and specific to humanitarian action
  - To understand the steps required to organise a vaccination programme and the factors that influence the contents of drugs lists
  - To understand the types of reproductive health services required and how to deliver a minimum initial service package
  - To understand the key steps involved in the prevention and control of communicable diseases (including surveillance) such as cholera or Ebola.

**Readings:** To be provided

**Mental Health and Psycho-Social Support in Humanitarian Action**

Date: 14.10.2016  
Venue: G09 Ag.  
Time: 11am-1pm  
Lecturer(s): Sarah Robinson  
Email: 

**Description:**
- **Learning Outcomes**
  - To gain an understanding of mental health risks in humanitarian and how to assess those risks
  - To know the key steps involved in providing mental health and psycho-social support to affected populations including psychological first aid.

**Readings:**
- IASC Guidelines on Mental Health and Psychosocial Support in Emergency Settings
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<tr>
<th>Vector Control, Health Promotion, NCDs and Module Wrap Up</th>
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**Description:**

- **Learning Outcomes**
  - To gain an understanding of key vectors, their diseases and means of controlling
  - To gain an understanding of health promotion towards behaviour change and key approaches used in humanitarian settings.
  - To gain an understanding of the risk to health posed by Air Pollution and the Non-Communicable Disease threat, particularly in established settings.
  - To ensure understanding on the inter-relationship between components of public health, connectedness to other humanitarian sectors and mainstreaming issues like protection and resilience building.

**Readings:**