

**Department of Public Health
Institute of Social & Cultural Studies
Faculty of Behavioral & Social Sciences
University of the Punjab, Lahore**

Course Outline

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| Programme | BS Workplace Health & Safety Promotion | Course Code | WHSP 204 | Credit Hours | 3 (2+1) |
| Course Title | Emergency and Disaster Management | | | | |
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WHSP 204- Emergency and Disaster Management

Course Description

- This course provides an introduction to disaster and emergency management.
- It addresses the roles and responsibilities of local, regional, and national agencies, as well as interagency coordination and collaboration.
- The course will focus on the planning, preparedness, response, and recovery phases of disaster and emergency management.
- This course addresses the roles and responsibilities of local, regional, and national agencies, as well as interagency coordination and collaboration.
- The course will focus on the planning, preparedness, response, and recovery phases of disaster and emergency management.
- Legal requirement, planning formats, and response procedures are presented.
- Special focus community risk assessment: hazard analysis, vulnerability assessment, and community response capability assessment

Course Objectives

After studying this course, students should be able to:

1. Define basic Disaster Concepts
2. Phases of disaster management
3. Plan for disaster management
4. Apply post disaster rehabilitation
5. Demonstrate the capability to implement Emergency Planning Concepts and Metrics
6. Develop and evaluate the components of a Hazard Vulnerability Analysis and Risk Assessment

7. Develop and evaluate the components of an Emergency Operations Plans and Continuity of Operations Plans
8. Demonstrate the capability to implement an Incident Command System
9. Demonstrate the capability to implement Exercises

Course Contents

1. Definition, Concept, Objectives

- Concept of Disaster
- Types of Disaster
- Elements at Risk in Disaster
- Interdisciplinary Disaster Planning

2. Elements and Significance of Disaster Management

- Disaster Management, Response, Preparedness
- Disaster Management Cycle
- Disaster preparedness
- Mitigation, Relief, Rescue, Recovery and Rehabilitation
- Community Level Preparedness
- Disaster Mitigation and Post-Event Response
- Monitoring and Evaluation of Recovery Efforts

3. Disaster Management in Health Sectors

- Effect of Disaster on Health
- Role of Public Health in Disaster
- Health Education for Disaster Safety
- Public Health Review
- Epidemics
- Mental Health Challenges of a Disaster
- Environmental Health Degradation

4. Legislation, Policy and Institutions of Disaster Management in Pakistan

- Role of Rescue 1122, PDMA, NDMA in Managing Disaster
- Policy Development in Disaster Management

Emergency Preparedness Rescue and Response

- Types of emergencies
- Cornerstone of Emergency Response Plan
 - Prevention
 - Preparedness
 - Response
 - Recovery
- Developing the Plan
 - Step 1: Establish the Planning Team
 - Step 2: Assess the Risks and Company Capabilities
 - Step 3: Develop the Plan
 - Step 4: Implement the Plan
 - Step 5: Evaluate Effectiveness of the Plan
 - Step 6: Improve the Plan Continuously
- Incident Command System
- Personnel Training
- Drills and Exercises
 - Full-Scale Exercise
 - Tabletop Exercises
 - Drill Preparation
 - Scenario Planning
 - Drill Notification
 - After the Drill
 - Post-exercise evaluation
 - Tips for continuous improvement

Course Practical Component

Community Action for Disaster Response Course (CADRE) at Emergency Services Academy (ESA) Rescue 1122 Lahore

Teaching-Learning Strategies

Teaching will be a combination of class lectures, class discussions, and group work.

Short videos/films will be shown on occasion.

Assignments

The sessional work will be a combination of written assignments, class quizzes, presentation, and class participation/attendance.

Assessments and Examination

Sessional Work: 25 marks

Midterm Exam: 35 marks

Final Exam: 40 marks

Recommended Readings

- 1 Landesman, L. (2011). *Public Health Management of Disasters: The Practice Guide*. (3rd Ed). eISBN: 978-0-87553-263-9, Print ISBN:978-0-87553-004-8
- 2 Hunter, N. (2009). *The Law of Emergencies: Public Health and Disaster Management Hardcover*.
- 3 Landesman, L. Y. (2011). *Public Health Management of Disasters: The Practice Guide Paperback*.
- 4 Kapur, G. R. & mith, J. P. (2010). *Emergency Public Health: Preparedness And Response*.
- 5 Coppola, D. P. (2011). *Introduction to International Disaster Management*.
- 6 Narayan, B. *Disaster Management APH*
- 7 Singh, S. R. *Disaster Management APH*.
- 8 Emergency Response Planning Guide 1st Edition, Revised
<https://www.ccohs.ca/products/publications/pdf/emergResponse.pdf>