



Certificate in Conflict Medicine

Mode of delivery: Online Asynchronous



Certificate Description

The Global Health Institute at the American University of Beirut, in partnership with R4HC Consortium, has developed the **Online Certificate in Conflict Medicine**.

The certificate aims to provide an operational and conceptual understanding of how conflict perpetuates a biological, psychological, and social sphere that creates contextual challenges for provision of medical care and conducting research.



Certificate Competencies

A learner who successfully completes the certificate in conflict medicine would be able to:

Identify the principles and concepts of conflict medicine in contemporary wars

Demonstrate an understanding of healthcare determinants in conflict settings

Describe how conflict reshapes healthcare delivery in affected populations

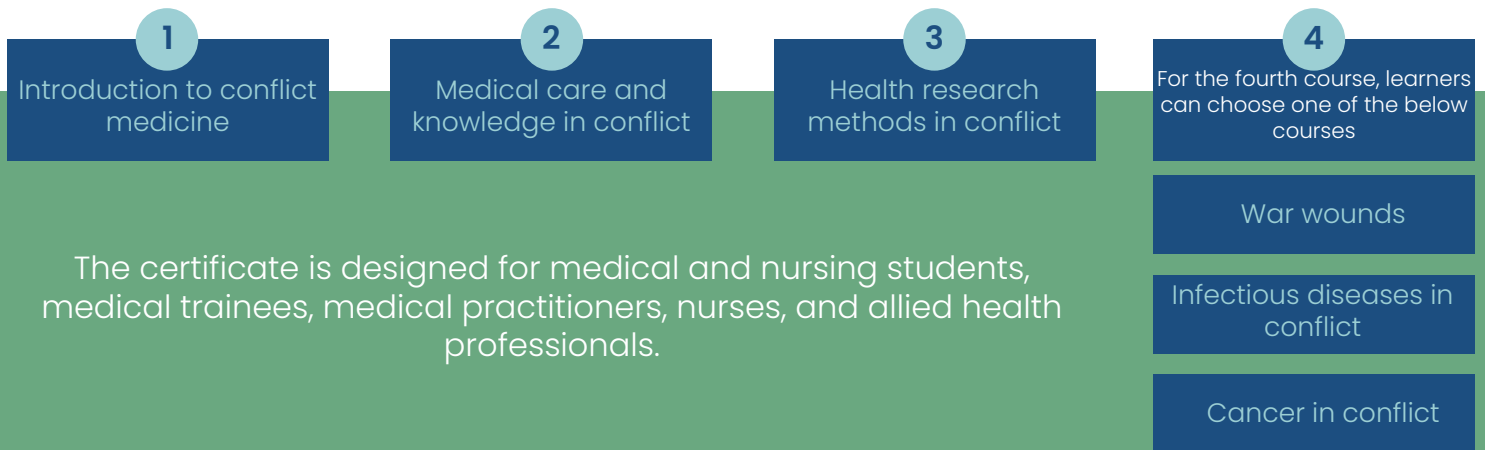
Design and apply qualitative and quantitative research methods in the context of a conflict setting

Recognize the ethical and security implications when conducting research in conflict settings

Demonstrate an in-depth understanding about one of the major challenges faced in conflict: cancer research/infectious diseases/management of wounds and injuries

Certificate Structure

The Certificate in Conflict Medicine tackles the major themes in conflict medicine and health. All certificate courses require 30 hours to complete. To obtain the certificate, each learner must complete a total of four courses:



Courses Components

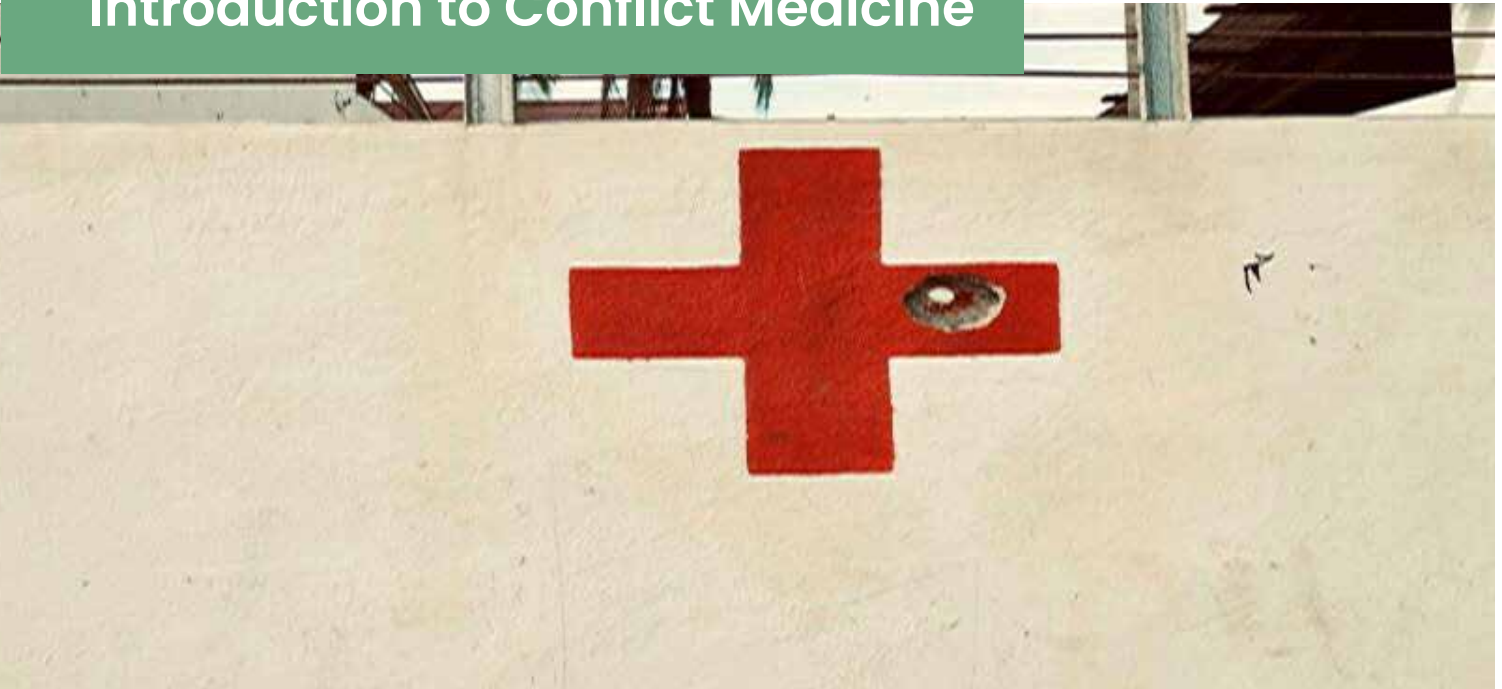
Each certificate **course** includes the following components:



Each course **module** includes the following components:



Introduction to Conflict Medicine



Course Aims

This course equips healthcare providers with a) the basic conceptual knowledge in conflict medicine that combines the medicine and philosophy disciplines, b) the ways in which conflicts and their corresponding ecologies of war impact the individual and population health and c) the attempts to mitigate these impacts.

Topics Covered

The course deals with topics including causes and trends of conflict, humanitarian system and actors, political economy of health, marginalized communities, food security, health systems in conflict, trauma and social wounds.

Competencies

Learners completing this course will be able to:

1. Examine key theories and patterns related to conflict and migration and their causes
2. Identify the major actors, and their roles, in a humanitarian setting
3. Understand the concept of political economy of health in conflict settings
4. Discuss the challenges of food security faced in conflict
5. Evaluate the impacts of conflict on health systems and healthcare provision
6. Understand how health systems are rebuilt after conflict
7. Determine the impact of conflict on marginalized communities
8. Recognize the importance of addressing trauma and social wounds in conflict

Medical Care and Knowledge in Conflict



Course Aims

This course equips healthcare providers with in depth-knowledge about the care, interventions, specificities and challenges of providing medical care at times of conflict.

Topics Covered

The course deals with topics including the chain of casualty care, first aid, emergency room care and transfusions, hospital triage of mass casualties, role of nursing staff, innovation, stock-out and improvisation, ABC of war surgery, pain management, addressing communicable and non-communicable diseases, clinical care of specific populations (women, children, elderly, persons with disabilities) and weaponization of healthcare at the times of conflict.

Competencies

Learners completing this course will be able to:

1. Understand the acute and emergency care measures performed at the scene of injury
2. Recognize the challenges of providing medical care at times of conflict
3. Address the major types of injuries, clinical conditions and diseases at the time of conflict
4. Demonstrate the need for clinical care of specific populations at the time of conflict

Health Research Methods in Conflict



Course Aims

This course equips learners with specialized knowledge about the complexities of conducting research within an ecology of war in terms of logistics, access, data collection and ethics. It promotes critical thinking when developing and addressing scientific inquiries and builds the learners' knowledge on how to develop quantitative and qualitative research studies.

Topics Covered

The course deals with topics including types, challenges and considerations of research, basic concepts in sampling and searching and evaluating the literature. It also touches on the basics of qualitative and quantitative research methods in conflict settings.

Competencies

Learners completing this course will be able to:

1. Understand the basic concepts of research
2. Demonstrate the ability to adequately perform a qualitative research (QR) study
3. Demonstrate the ability to conduct a quantitative research study

War Wounds



Course Aims

This course aims to equip healthcare providers in conflict zones with an in-depth description of the clinical manifestations and management strategies of war wounds and their major complications.

Target Audience

The course is mainly targeted for general practitioners as part of their postgraduate medical training in countries where wars have become endemic and conflict-related injuries constitute a major part of the disease case load. It is also targeted for policy makers in the medical and humanitarian fields as well as frontline health practitioners particularly in countries of the Middle East and North Africa (MENA) region.

Topics Covered

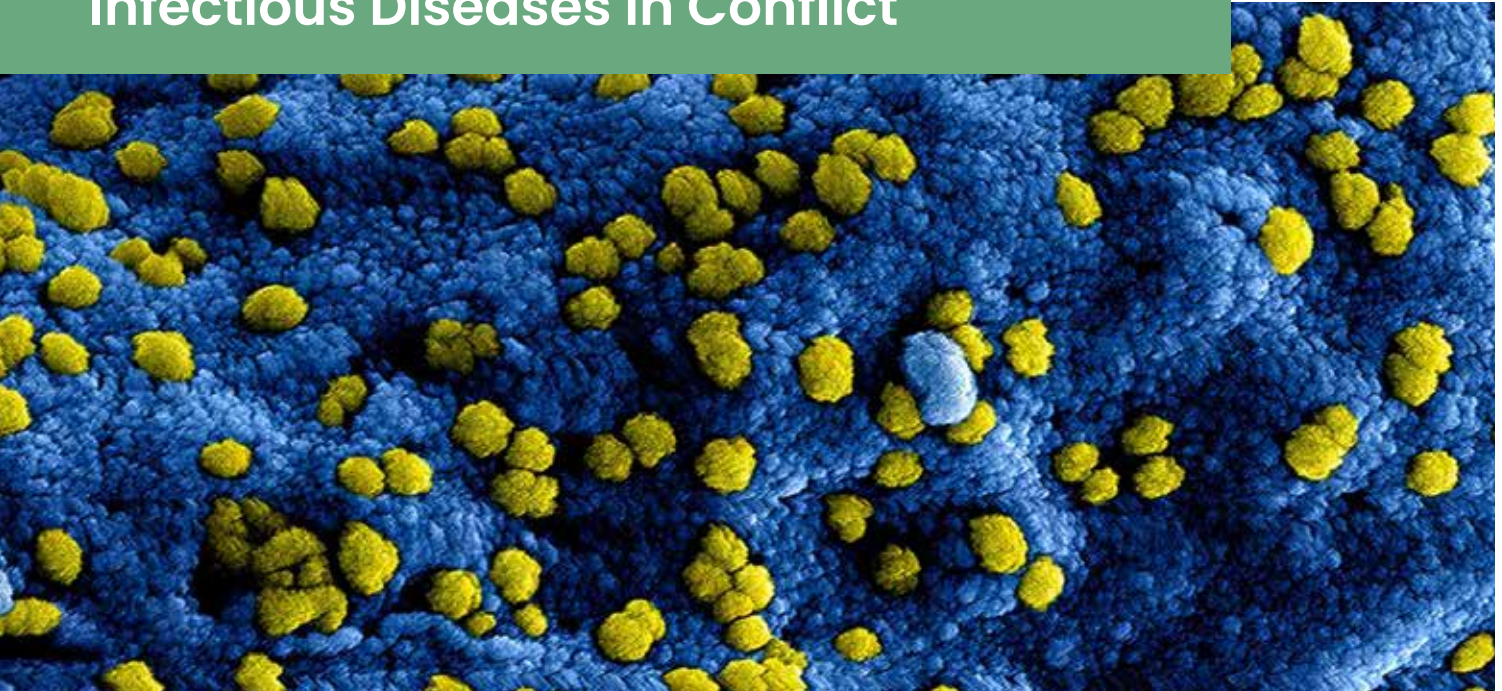
This course deals with topics including classification and mechanism of wounds, surgical management of wounds, delayed primary closure and skin grafting, neglected wounds, infections, retained bullets, and burns.

Competencies

Learners completing this course will be able to:

1. Understand the classification procedures and the mechanisms of war wounds
2. Explain the surgical management of war wounds
3. Discuss the need for delayed primary closure, skin graft and flap
4. Understand the triggers and challenges in the management of neglected or mismanaged wounds
5. Discuss the major clinical infections in war wounds
6. Discuss the early/ late removal of retained bullets and fragments
7. Explore the pathology, management, care and closure of burn injuries

Infectious Diseases in Conflict



Course Aims

This course equips learners with basic conceptual knowledge of infectious diseases in the context of conflict, especially in the Middle East region, increasing the understanding of the interplay between infectious diseases and conflict.

Target Audience

This course targets individuals who are interested in learning about infections in times of conflicts including physicians, nursing staff, paramedics and employees of humanitarian organizations.

Topics Covered

This course gives an overview on the ecology of war and infectious disease through covering the history and contributing factors of infectious diseases, antimicrobial resistance, sexually transmitted infections (STI) in conflict settings, skin infections from poor hygiene, and the basics of infection control practices and challenges in areas of conflict. It also covers the most common infectious diseases (bacterial, viral, parasitic and fungal infections) in times of conflict with a particular emphasis on those encountered in the Middle East region. For each described infection, epidemiological data, contributing factors, and clinical manifestations are covered as well as the treatment and advised prevention measures at national and international levels.

Competencies

Learners completing this course will be able to:

1. Understand the interplay between conflict and infectious diseases
2. Understand the impact of conflict on antimicrobial resistance
3. Outline the basics of infection control practices and challenges in the context of conflict
4. Examine wound healing and war wound infection
5. Discuss the microbiology of several infectious diseases (infections with bacterial, viral or parasitic pathogens) with a focus on how they are exacerbated by conflict

Cancer in Conflict



Course Aims

This course equips healthcare providers with basic knowledge of conducting cancer research in conflict settings and the basic principles and ethical considerations applied. It also equips them with the skills to formulate a research question that is relevant to conflict and low income settings.

Target Audience

This course targets medical students and postgraduate medical trainees, particularly those interested in Hematology-Oncology, in countries affected by conflict.

Topics Covered

This course provides an overview of the interplay between cancer and conflict and addresses the cancer control and prevention strategies in conflict. It also deals with topics related to cancer research in conflict, ethical principles governing cancer research in conflict settings and developing a cancer research project.

Competencies

Learners completing this course will be able to:

1. Understand the interplay between conflict and cancer
2. Discuss the cancer control and prevention in conflict
3. Discuss the importance, challenges and outputs of cancer research in conflict
4. Understand the cancer research methods in conflict settings
5. Address the ethical considerations and cancer research
6. Discuss how to approach cancer research in conflict