



# استراتيجيات تطوير اللقاحات والمناعة المتقدمة في العالم العربي

**Duration:** 5 Days

**Language:** ar

**Course Code:** IND5 - 157

## Objective

:Upon completion of this course, participants will be able to

- Understand the principles of vaccine development and immunology.
- Develop skills in designing and evaluating immunisation programs.
  - Learn about the latest advancements in vaccine technology.
    - Assess the impact of vaccines on public health.
- Enhance their ability to communicate the benefits and risks of vaccination.

## Audience

:This course is intended for

- Public health professionals
- Vaccine researchers and developers
  - Immunologists and microbiologists
- Healthcare practitioners involved in immunisation
  - Policymakers in health
- Graduate students in public health, immunology, and related fields

## Training Methodology

The course employs a blend of instructional methods, including

- Interactive lectures
- Hands-on workshops
- Group discussions and case studies
- Expert-led Q&A sessions
- Comprehensive course materials and resources

## Summary

This advanced course offers an in-depth exploration of vaccinology and immunisation strategies. Participants will gain comprehensive knowledge of vaccine development, immunisation programs, and the role of vaccines in public health. The course combines theoretical insights with practical applications, equipping healthcare professionals with the skills to advance vaccine research, development, and implementation.

## Course Content & Outline

### Section 1: Fundamentals of Vaccinology

- Basic immunological principles and the immune response to vaccines
  - History and evolution of vaccines
- Types of vaccines: live-attenuated, inactivated, subunit, and mRNA vaccines

### Section 2: Vaccine Development

- Steps in the vaccine development process
- Clinical trials and regulatory considerations

- Manufacturing and quality control of vaccines

### **Section 3: Immunization Programs**

- Designing and implementing immunisation programs
- Monitoring and evaluation of vaccine coverage and efficacy
- Addressing challenges in immunisation: access, hesitancy, and logistics

### **Section 4: Vaccine Safety and Public Health Impact**

- Vaccine safety monitoring and adverse event reporting
  - Risk-benefit analysis of vaccines
- Impact of vaccines on disease eradication and control

### **Section 5: Practical Applications and Case Studies**

- Case studies on successful immunisation campaigns
- Hands-on activities: developing vaccine communication strategies
  - Collaborative problem-solving in vaccinology
  - Course review and expert Q&A

### **Certificate Description**

عند إتمام هذه الدورة التدريبية بنجاح، سيحصل المشاركون على شهادة إتمام التدريب من Holistique Training. وبالنسبة للذين يحضرون ويكملون الدورة التدريبية عبر الإنترن特، سيتم تزويدهم بشهادة إلكترونية (e-Certificate) من Holistique Training.

وخدمة اعتماد التطوير المهني (BAC) معتمدة من المجلس البريطاني للتقييم Holistique Training شهادات ISO 29993 أو ISO 21001 كما أنها معتمدة وفق معايير، (CPD) المستمر.

لهذه الدورة من خلال شهادتنا، وستظهر هذه النقاط على شهادة إتمام (CPD) يتم منح نقاط التطوير المهني المستمر واحدة عن كل ساعة CPD يتم منح نقطة، ووفقاً لمعايير خدمة اعتماد Holistique Training التدريب من لأي دورة واحدة نقدمها حالياً CPD حضور في الدورة. ويمكن المطالبة بحد أقصى قدره 50 نقطة.

## Related Articles

### **Vaccines and Allergic Reactions: Understanding the Risks and How to Manage Them**

Vaccines protect against serious diseases, but some people may experience allergic reactions. This blog explains why vaccines can cause allergies, the symptoms to watch for, which vaccines pose higher risks, and what to do if a reaction occurs—helping you stay informed and safe.