

## **Proliferation of Weapons of Mass Destruction: An Introductory Course**

An online intensive course for graduate and post-graduate students

22 - 26 February 2021  
via Zoom

All times are indicated in Central European Time (CET)

### **Day 1: Monday, 22 February**

#### **Weapons and Programs**

**9:30 – 10:00 Welcome, Introduction, Course Overview**

Elena Sokova, Vienna Center for Disarmament and Non-Proliferation (VCDNP)

**10:00 – 10:45 Overview: Biological Weapons and Programs**

Dr. James Revill, UN Institute for Disarmament Research (UNIDIR)

**10:45 – 11:00** Break

**11:00 – 11:45 Overview: Chemical Weapons and Programs**

Dr. James Revill, UNIDIR

**11:45 – 12:30 Overview: Nuclear Weapons and programs**

Elena Sokova, VCDNP

Gaukhar Mukhatzhanova, VCDNP

**12:30 – 13:00** Meet and Greet (breakout session)

### **Day 2: Tuesday, 23 February**

#### **WMD Control Regimes**

**9:30 – 9:45** Topic Intro

**9:45 – 10:45 Nuclear Non-Proliferation Regime**

Gaukhar Mukhatzhanova, VCDNP



**10:45 – 11:00** Break

**11:00 – 12:00 Biological and Toxin Weapons Convention (BWC)**

**Dr. Daniel Feakes**, BWC Implementation Support Unit

**Dr. Clarissa Rios Rojas**, Cambridge University

**12:00 – 13:00 Chemical Weapons Convention**

**Dr. Peter Hotchkiss**, Organisation for the Prohibition of Chemical Weapons (OPCW)

**Day 3: Wednesday, 24 February**

**WMD Control Regimes (continued): Case Studies**

**9:30 – 10:30 Case Study: Recreating the Horsepox Virus**

**Dr. Filippa Lentzos**, King's College London

**10:30 – 11:30 Case Study: Iran's Nuclear Program**

**Gaukhar Mukhatzhanova**, VCDNP

**11:30 – 11:45** Break

**11:45 – 13:00 Case Study: Syria's Chemical Weapons Program and Disarmament**

**Angela Kane**, VCDNP, former UN High Representative for Disarmament Affairs

**Jerry Smith**, CHC Global, former OPCW Team Leader

**Day 4: Thursday, 25 February**

**WMD Control Regimes (cont.); Emerging Technologies**

**9:30 – 10:15 Strategic Trade Controls**

**Dr. Sibylle Bauer**, Stockholm Peace Research Institute

**Dr. Mirko Himmel**, University of Hamburg

**10:15 – 10:30** Break

**10:30 – 11:15 Strategic Trade Controls (continued)**

**11:15 – 11:30** Break

**11:30 – 13:00 Advances in Life Sciences and Implications for Chemical and Biological Weapons**

**Dr. James Revill**, UNIDIR

**Shruti Sharma**, Carnegie Endowment for International Peace, India

***Extracurricular:***

**15:00 – 16:00 Global Health Security Implications of COVID-19**

**Dr. Richard Pilch**, James Martin Center for Nonproliferation Studies

Public VCDNP webinar

**Day 5: Friday, 26 February**

**Emerging Technologies (continued), conclusions**

**9:30 – 10:45 Emerging Technologies: Implications for Nuclear Risks**

**Dr. Ulrich Kühn**, Institute for Peace Research and Security Policy (IFSH), Hamburg

**10:45 – 11:00** Break

**11:00 – 12:30 Panel discussion: New and Emerging Technologies and WMD Threats**

**Dr. Filippa Lentzos**, King's College London

**Dr. Ulrich Kühn**, IFSH

**Dr. James Revill**, UNIDIR

**12:30 – 13:00** Evaluation

**13:00 – 13:30** Conclusions and Wrap-Up