

DEPARTMENT OF MATERIALS SCIENCE

GEM - SILKWAY

silkway

TOWARDS A SUSTAINABLE ENERGY TRANSITION

DATES

JUL 24 – AUG 7, 2022

CREDITS

6 ECTS

TUITION

€ 600

INCLUDES ALL COURSES ACTIVITIES, ACCOMMODATION MEALS AND COFFE BREAKS

APPLICATION DEADLINE

15 JUNE 2022

LOCATION

1ST WEEK - UNIVERSITY OF INTERNATIONAL BUSINESS IN ALMATY

2ND WEEK - L.N.GUMILYOV EURASIAN NATIONAL UNIVERSITY IN NUR-SULTAN

CONTACT

gem@unimib.it

PROGRAM DESCRIPTION

GEM - SILKWAY will provide international students with a context sensitive first-class training in the field of Green Energy Management with a wide perspective from technical sciences to geopolitics, economics, human sciences.

GEM - SILKWAY covers:

- **Sustainability of Energy Transition** – World, Europe, Central Asia and Caucasus Region Energy scenarios
- **Geopolitics of Energy**
- **Technical applications of renewable energy**
- **Best experience from energy companies**

In the past eleven editions of GEM, students from all over the world (East and West Europe, Africa, Asia, South America) have shared classrooms and field experience, making connections and proposing new projects. GEM is now managed by the SILKWAY Network, The main objective of SILKWAY is to promote research, training and the dissemination of knowledge at all levels of society by agreeing on joint initiatives between the network partners and **creating links between business, academia and civil society.**

IN COOPERATION WITH



TOPICS COVERED

AFTER A COMMON INTRODUCTORY TRACK (ISSUES ON WORLD, EUROPE, CENTRAL ASIA AND CAUCASUS REGION ENERGY SCENARIOS, SOCIAL AND ECONOMIC SUSTAINABILITY), GEM-SILKWAY PARTICIPANTS WILL CHOOSE BETWEEN TWO STUDY TRACKS:

HUMANITIES

1. SOCIAL AND HUMAN ISSUES IN THE ENERGY TRANSITION
2. THE NEW ECONOMIC GEOGRAPHY
3. ENERGY POLITICS WITH FOCUS IN CENTRAL EURASIA

TECHNICAL

1. USE OF ENERGY SOURCES WITH LOW ENVIRONMENTAL IMPACT
2. SUSTAINABLE MOBILITY
3. ENERGY FINANCE

PREREQUISITES & SCHOLARSHIPS

The school is aimed at young graduates of master's degrees, master's degree programs, doctoral students and research doctors/researchers, professionals in the field mainly with a scientific background. **GEM-SILKWAY offers n. 4 full scholarships (full tuition waive, accommodation, meals + 300 € for traveling)** to distinguished candidates from from Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan.

STRUCTURE

GEM - SILKWAY will run for two weeks: the first week at the [University of International Business in Almaty](#), the second week will be at [L.N.Gumilyov Eurasian National University](#). Internal transfer from Almaty to Nur-Sultan (not included in the tuition fee) is scheduled on Sunday 31st of July. Morning and afternoon sessions will be chaired by different speakers and separated by a lunch break and one or more coffee breaks.

Accommodation, lunches and coffee breaks are included in the tuition fee.

HOW TO ENROLL

YOU ARE REQUIRED TO ENROLL THROUGH THE ONLINE APPLICATION FORM. EVERY PROGRAM ON [HTTP://WWW.SUMMERSCHOOLBICOCCA.COM](http://www.summerschoolbicocca.com) HAS AN **APPLY NOW** SECTION IN ORDER TO ACCESS TO THE APPLICATION. AFTER RECEIVING THE SELECTION NOTIFICATION, YOU WOULD BE REQUIRED TO PAY THE COURSE TUITION FEE WITHIN A SPECIFIED PERIOD. PLEASE FOLLOW THE SECTION **FEES & PAYMENT** ON OUR SUMMER SCHOOL WEBSITE FOR UNDERSTANDING THE PAYMENT OPTIONS.

WEB-SITE

<http://www.summerschoolbicocca.com/22-gem-silkway.php>

