



SUMMER SCHOOL

PROGRAM CODE
SS017-04

PROGRAM DURATION
12 Days

DATES
28 August
10 September 2017

CREDITS
6 ECTS

TUITION
600 € (covers all lectures;
course materials, accommodation in
Astana and Zerenda)

University of Milano-Bicocca — Department of Statistics and Quantitative Methods
Eurasian National University (Kazakhstan)
Alessandro Volta Foundation, Como



GEM - GREEN ENERGY MANAGEMENT

DESCRIPTION OF THE COURSE

The aim of GEM (Green Energy Management) Summer School is to provide international students with a context sensitive first-class training in the field of Green Energy Management and renewable resources.

GEM 2017 will be hosted by Eurasian National University in Astana (Kazakhstan), during the World EXPO 2017 "Future Energy".

An introductory broad overview of the world green energy scenario will be followed by specific experiences in Spain, Portugal and in the Central Asia area.

Renewable energy production as well as water management and recycling in agriculture will be discussed in the context of circular economy. Elements of Energy Finance will be given. A whole important section of GEM will be devoted to Central Asia issues in energy production and renewables.

Leading scientists from Europe and Central Asia and industrial and institutional partners will be part of the teaching staff, bringing and sharing their experience. A visit to EXPO 2017 "Future energy" will be organized, as well as a visit to local research laboratories.

GEM 2017 will allow students and teachers to gather and share common experience, bringing together Europe and Central Asia for a common future.

in cooperation with



Contents covered:

The world green energy scenario; Biogas/biomethane generation for a circular economy; Renewable resources: the Spain experience; Hydrogen Energy in transportation in Portugal; Modeling wind and sun for renewable production; Photovoltaic energy; Hydroelectricity production; Recycling in Agriculture; Water management; Energy finance; The electricity markets; Financial products for climate change Evaluating energy projects; Energy management in a fragile environment; Experience from a private consulting company in the energy sector.

Program coordinator: Prof. Silvana Stefani - silvana.stefani@unimib.it

Scientific committee:

Silvana Stefani –University of Milano-Bicocca

Maurizio Acciarri –University of Milano-Bicocca

Carlo Lucheroni. University of Camerino

Tiziano Vargiolu - University of Padova

Meruyert Narenova - University of International Business, Almaty, Kazakhstan

Giulio Casati - Alessandro Volta Foundation, Como

Location: Astana and Zerenda (Kazakhstan)

Application deadline: 1st May 2017

Prerequisites: BA Degree

Requested documents to be uploaded in the application form: CV, ID card or passport.

For further information, contact: a.sonubi@campus.unimib.it

For further information visit: <http://www.gem.unimib.it>

Admission criteria

Each Summer School Program has different Admission Criteria, although General Criteria for all Summer Programs are as follows:

- Applicants should be 18 years old
- Applicants should have completed at least one year of college or enrolled in the first-year

English language proficiency

English proficiency is required for all summer school programs offered by University of Milano-Bicocca. Though we don't ask for a formal English certification, but what we expect is:

- Your oral comprehension and expression must be sufficient for effective class participation.
- Your reading comprehension and writing skills must be sufficient for responding clearly and accurately for course assignments
- Your comprehension and communication skills must be sufficient for individual/group interaction