



UNIVERSITY OF CHEMICAL TECHNOLOGY
AND
METALLURGY - SOFIA



**UCTM – Sofia
participation in
MARHABA
Erasmus Mundus Project**

Prof.R.Betcheva

BULGARIA – COUNTRY OF ROUSES



*Marhaba Kick-off Meeting
UCS , Spain, October 2014*

BULGARIA IN EUROPE



*Marhaba Kick-off Meeting
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UCTM – Sofia, BULGARIA



<http://www.dl.uctm.edu>



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UCTM – ACADEMIC PROFILE

- FOUNDED IN 1963
- 3500 STUDENTS , 450 STAFF
- BOLOGNA PROCESS – FULLY IMPLEMENTED
- BACHELOR DEGREE COURSES – **CHEMICAL TECHNOLOGY** (*organic and inorganic synthesis, polymers, textile and leathers, silicates, electrochemistry, cellulose, paper and polygraphy*) **CHEMICAL ENGINEERING, METALLURGY, MATERIALS SCIENCE, BIOTECHNOLOGY, ECOLOGY, INDUSTRIAL SAFETY, CONTROL ENGINEERING AND INFORMATION TECHNOLOGY, INDUSTRIAL MANAGEMENT** ;
- MASTER DEGREE COURSES IN THE ABOVE MENTIONED AREAS OF STUDY
- RESEARCH BASED PhD DEGREES
- ECTS – ALLOCATED FOR ALL COURSES
- EUROPEAN DIPLOMA SUPPLEMENT
- ACTIVE PARTICIPATION IN EU EDUCATIONAL PROGRAMMES (ACADEMIC MOBILITY, JOINT DIPLOMA)
- ADULT EDUCATION – DEPARTMENT OF CONTINUING AND DISTANCE LEARNING
- COLLABORATION WITH OTHER BG UNIVERSITIES ;
- RESEARCH PROJECTS
- COLLABORATION WITH INDUSTRY.

INTERNATIONAL ACTIVITIES IN THE FIELD OF EDUCATION

- Bilateral – framework agreements**
- EU Educational Programmes - partners from all EU countries**
 - Socrates(1999-2007), LLP , ERASMUS+– now**
 - Leonardo (1999 –2007)**
- Educational Activities included in joint research projects (intensive courses,Master thesis preparation, PhD studies)**
- ERASMUS MUNDUS (EXTERNAL WINDOWS, ACTION 2)**
 - first BG University included in a funded EM Project**
 - participation in 9 University consortia for different EM Lots since 2007(two new in 2014 selection);**
 - a challenge to quality and attractiveness of the education provided by UCTM, option to be known and to develop other activities and projects with the third countries partner Universities**

WHAT WE HAVE LEARNED FROM OUR ERASMUS MUNDUS PROJECTS

- 1. NO LESS than 1 month is necessary for processing of applications at UCTM and issuing the invitation;**
- 2. Applicants need about 45 days visa processing;**
- 3. The most difficult month for admission is August;**
- 4. There is a need of an agreement between Coordinator and grantees in order to avoid personal decisions to stop the mobility before its end and to ensure obtaining the full set of reporting documents;**
- 5. We need a form of Learning Agreement that will fix the subjects studied at host University and to ensure the acceptance of the academic results by the sending University;**

RECOMMENDED COURSES

IN ENGLISH – Master Degree Courses

BIOTECHNOLOGY (option in Biomedical Engineering is available too) – 22 months (4 semesters) for full degree:

ENVIRONMENTAL PROTECTION AND SUSTAINABLE DEVELOPMENT – 22 months (4 semesters) for full degree

MATERIALS SCIENCE – 22 months for a full degree;

SILICATE MATERIALS – 12 months for a full degree;

TAILOR MADE COURSES (taught in English) – possible according to the University Constitution in the field of:

Chemical Technologies and Engineering, Biotechnology, Biomedical Engineering, Informatics, Computer Science, Materials Science, Metallurgy, Control Engineering, Ecology, Industrial Management This can be applied for Bachelor studies too.

PhD study at UCTM is mainly research based and places in the field of Engineering, Natural Sciences, Mathematics , Informatics and Ecology are offered

IN FRENCH – Industrial Chemistry, Environmental Protection (Bs , MSc, PhD)

IN GERMAN– Chemical Engineering (Bs , MSc, PhD)

RESEARCH ACTIVITIES

Biotechnology:

Biosensors, Foodstuffs Safety, Environmental Biotechnology, Enzyme applications.

Materials Science:

Special Glasses ,Ceramics and Metal Alloys, Nanomaterials, Polymer Composites.

Chemical Engineering and Technology :

Organic and Inorganic Substances and Materials – Synthesis, Processing, Formulation, Recycling.

Environmental Protection :

Renewable Energy and Energy Efficiency , Purification of Soil , Water and Air

Computer Science and Informatics :

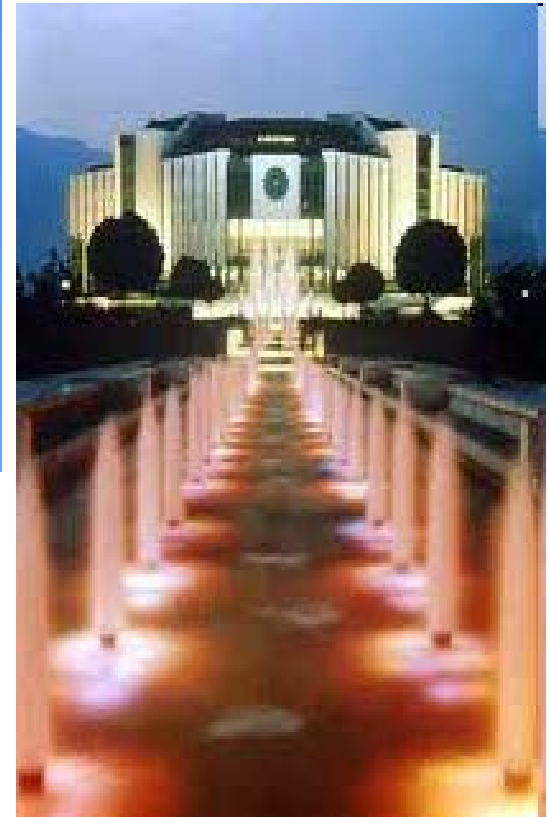
Process Control Simulation and Optimization , Computer Safety, Networks, Images.

Industrial management – Quality Management. Management of SME and LSE

WHAT WE OFFER TO INCOMING ERASMUS STUDENTS

- Courses developed jointly with our EU partners and leading Bulgarian Universities and laboratories;
- Help for integration and adaptation provided by the University branch of Erasmus Student Network;
- Friendly learning environment;
- Accommodation at a reasonable price;
- Full access to the University library, Intranet and sport facilities;

BULGARIAN CAPITAL – SOFIA WELCOMES YOU!



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