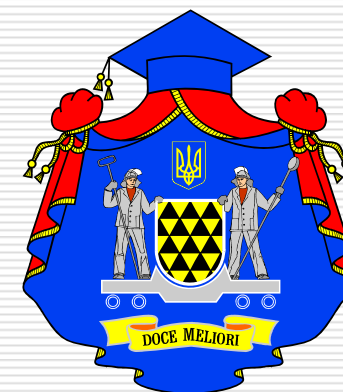


National Metallurgical Academy of Ukraine



Presentation for the for the kick-off meeting of
EDUQAS Erasmus+ project
Craiova University, 26 – 27.02.2018

Andriy Petrenko
Head of International Relations Office

www.nmetau.edu.ua

NMAU in a brief

- History
- Facts & Figures



National Metallurgical Academy of Ukraine



History

- ❑ **1899** - Yekaterinoslav Higher Mining College with Industrial Division was founded
- ❑ **1912** - College transformed to Yekaterinoslav Mining Institute with Metallurgical Faculty
- ❑ **1930** - Metallurgical and Mechanical Faculties transformed to Dnipropetrovsk Metallurgical Institute (DMetI)
- ❑ **1960 – 1962** established faculties in Zaporizhzhia , Nikopol and Kryviy Rih
- ❑ **1993** – renamed to State Metallurgical Academy of Ukraine with IV (highest) level of accreditation
- ❑ **1999** - inaugurated with **National** status



F&F

- ❑ 7 000 of students
(3600 – full time)
- ❑ 240 International Students
- ❑ 600 teachers
- ❑ 320 of teachers with
PhD degree
- ❑ 70 of teachers
full professors
- ❑ 15th place at the “Top200 Ukraine”
ranking of Ukrainian Universities.



Directions of education

- ☐ Mechanical Engineering
(18 B.Sc. and M.Sc. programmes)
- ☐ Electrical Engineering
(5 B.Sc. and M.Sc. programmes)
- ☐ Automation
(3 B.Sc. and M.Sc. programmes)
- ☐ Chemical Engineering
(3 B.Sc. and M.Sc. programmes)
- ☐ Natural Sciences
(1 B.Sc. and M.Sc. programmes)



Directions of education

- ☐ Management and Administration
(11 B.Sc. And M.Sc. programmes)
- ☐ Social and Behavior Sciences
(2 B.Sc. and M.Sc. programmes)
- ☐ Humanitarian Sciences
(1 B.Sc. and M.Sc. programmes)
- ☐ Education and Pedagogy
(1 B.Sc. and M.Sc. programme)



Council for Quality Assurance of Education and Training

Council is the advisory unit of university management system

Objective: to improvement the quality of training through modernisation of educational processes, application of the innovative techniques of teaching and increasing the effectiveness of educational-methodological activities.

Regulations

approved by Academic Council in 2016

www.nmetau.edu.ua



Council for Quality Assurance of Education and Training

Members of the Council:

- Rector;
- Vice Rectors for Research and Pedagogy;
- Faculties Deans and Directors of Institutes;
- Heads of Educational-Methodological Commissions;
- Heads of centres involved in educational processes;
- Head of the Educational Unit;
- Scientific Secretary;
- Representatives of departments staff experienced in the educational-methodological work.

Council for Quality Assurance of Education and Training

Composition of the Council (sections):

- advanced technologies and prediction of education;
- pedagogical perfection;
- monitoring of quality of educational activities ;
- development of international cooperation;
- cooperation with employers;
- quality of educational programmes;
- final attestation of graduates;
- students science;
- patriotic education and students life;
- work with entrants.

Council for Quality Assurance of Education and Training

Specific tasks of the Council:

- analysis of modern trends in education and application of advanced teaching technologies at NMAU;
- analysis of regulatory documents related to educational activities;
- formation the Educational-Methodological Commissions;
- support of intersection between education and research;
- evaluation of the professionalism of dep. staff (internal rating);
- questionnaire of students and other parties of edu. activities;
- analysis the content of training by different specialities;
- recommendations for effective use of infrastructure and teaching resources including web-resources;
- support of the development of cooperation with enterprises;
- analysis and perfection of students life.

Certificate ISO 9001:2009

Certificate # № UA2.173.10174-16
Obtained 22.12.2016
Valid till 15.09.2018
Issued by LLC "International standards and systems"

Confirms the compliance of the NMAU quality management system with the requirements of standards ISO 9001:2009.



International Projects: *TEMPUS III*

2014 Call for proposal:

- ✓ Curricular Reform of MSc&PhD Metallurgy Programmes "*Intermet*" (2005-2008)

2016 Call for proposal:

- ✓ Career & Employability Centre: new service for graduates "*CARE*" (2007-2009)



International Projects: *TEMPUS IV*

Projects supported within the 2nd Call for proposal:

- ✓ Boosting the knowledge triangle by establishing Innovation Offices in Ukrainian higher education institutions, 2010-2013
www.uni4inno.eu

Projects supported within the 4th Call for proposal:

- ✓ Building capacity for University-Enterprise partnerships towards competency based training in Armenia, Georgia and Ukraine, 2011-2014, www.cap4com.eu



International Projects: *TEMPUS IV*

Projects supported within the 5th Call for proposal:

- ✓ Modernizing higher engineering education in Georgia, Ukraine and Uzbekistan to meet the technology challenge, 2012-2015

www.engi-tec.net

- ✓ Support of innovations through improvement of regulatory framework for higher education in Ukraine, 2012-2015

www.spinoff-ua.eu



Co-funded by the
Tempus Programme
of the European Union

International Projects: *TEMPUS IV*

Projects supported within the 6th Call for proposal:

- ✓ Higher engineering training for environmentally sustainable industrial development, 2013-2016
www.hetes.com.ua
- ✓ Promoting Internationalization of HEIs in Eastern Neighborhood Countries through Cultural and Structural Adaptations, 2013-2016
www.picasa.ysu.am
- ✓ Centers of Excellence for Young Researchers, 2013-2016
www.ceres.ntu.edu.ua



Co-funded by the
Erasmus+ Programme
of the European Union

International Projects: *Erasmus+*

Jean Monnet Module:

- ✓ European Union Leadership in Climate Change Mitigation, 2015-2018

www.euclim.com

KA2 – Capacity Building in Higher Education:

- ✓ Implementation of Education Quality Assurance system via cooperation of University-Business-Government in HEIs, 2017-2020

website under development



WITH THE SUPPORT OF
THE FLEMISH GOVERNMENT

DAAD

SI. Swedish
Institute

Other International Projects:

- **FP7 project**
Customise advisory services for energy efficient manufacturing systems (2012-2016)
- **Co-operation programme between Flanders and Central and Eastern Europe**
Flemish-Ukrainian Entrepreneurship Laboratory (2010-2012)
- **DAAD (German Academic Exchange Service)**
Several grants under different subprogrammes within 2002-2017 in cooperation with Technische Universität „Bergakademie Freiberg“
- **Visby programme of Swedish Institute**
“Eurometallurg” project, 2002 - 2004

"New elite generation for Danieli company"

Italy based Danieli company is the world leader in turn-key steelmaking projects

- ❑ The project has started in 2005
- ❑ Adaptation of study programmes to demands of Danieli in cooperation with Politecnico di Milano.
- ❑ Danieli equipped Heavy Machinery Design Laboratory in the NMAU
- ❑ NMAU students are employed in Dnipropetrovsk office of Danieli and abroad



Project “HAAS technology and education centre”

In 2008 Haas company which is one of the world's leaders in numerically controlled machines has established HTEC at NMetAU



Project with Delcam

- ❑ Delcam is UK based CAD/CAM software developer with 350 Sales Partner offices in 80 countries around the world
- ❑ Cooperation has started in 2009 when Delcam's Managing Director Mr. H. Humphreys visited NMetAU
- ❑ Delcam donated software with total cost of almost 1.5 mln USD





НАЦІОНАЛЬНА МЕТАЛУРГІЙНА АКАДЕМІЯ УКРАЇНИ

Thank you very much for your kind attention!

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