

TEMPUS CD JEP “Curricular Reform of MSc&PhD Metallurgy Programmes”

Intensive retraining of teachers at the ESoE

Needs and Expectations

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Preferences and Challenges

- In the field of education: According to the “National Doctrine for Education Development” the higher education reform in Ukraine is conducted within the scope of current European trends and should foster European identity and integration to European intellectual environment
- In the field of economics: In 2006 Ukraine is going to join WTO. Domestic market is getting more global. University graduates are faced to new challenges

Background of the Project

Realities in Higher Education and Research

Engineering education still keeping to old teaching methodology - "to teach one time for all future life". Nowadays approach is to prepare individuals able for lifelong learning under conditions when new technologies are being introduced very quickly and the labour market is changing equally fast.

Significant feature of post-Soviet higher education is weak foreign language skills of Ukrainian students and even academics.

Industrial Realities

Ukraine becomes a part of a global market

Growing Importance of English Skills

"Must" precondition to be a part of European Higher Education and Research Area

Essential to acquire and to disseminate worldwide information and new knowledge

Advantage for employability

INTERNET

Philosophy of the Project



Outcome - Updated engineering English training methodology, programmes and techniques

- Methodology of the Project is active participation of Ukrainian students and academics as direct actors of the Metallurgy education reform on the basis of upgrading linguistic skills
- Ukrainian teachers trained at the ESoE must introduce communicative teaching methodology addressed to develop linguistic skills and knowledge of Ukrainian engineering students and academics. Developed course and teaching methods will be presented to NMAU and PSACEA Academic Councils for approval and must be implemented by September 2006 to upgrade linguistic skills of engineering students and academics.
- Linguistic Centres will be established and equipped within 2006 to create a sustainable environment in which students and academics will be able to improve linguistic skills. Improved English skills will enable UA Metallurgy students to participate in Master Programmes taught in English and academics to deliver lectures in English in Ukraine and internationally.

Logical Framework Matrix

Objectives

Specific Objectives	Indicators of Progress	How indicators will be measured	Assumptions and Risks
4. Updated English teaching for engineering students based on modern communicative techniques launched by September 2006	New English teaching methodology and curricula for students, PhD and academics	Academic reports on approving of new English teaching curricula and methodology	Developed English teaching concept may conflict with previous learning experience

Logical Framework Matrix

Outcomes

Outcomes	Indicators of Progress	How indicators will be measured	Assumptions and Risks
Updated engineering English training methodology, programmes and techniques	Communicative English skills, number of enrolled scholars, technical maintenance	Examination results, multimedia-supplied Language Centres	Support of the developed engineering English curricula by philology academics

Logical Framework Matrix

Activities

Activities	Indicators of Progress	Assumptions and Risks
<p>1.1. Intensive retraining courses of UA English teaching staff at the UK</p> <p>1.2. Development of new English courses for engineering students and academics</p> <p>1.3. Creation of Language Centres</p>	<p>Updated English training</p> <p>1.1. East-West mobility</p> <p>1.2. Academic, admin. staff, printing, syllabi</p> <p>1.3. Equipment for Language Centres</p>	<p>1.1. Communicative methods will require additional adaptation taking into account mental differences of EU and UA audience</p> <p>1.2. Compliance of previous learning experience with new teaching methods</p> <p>1.3. Correspondence of equipment to new teaching methods</p>

Workplan

Outcomes and Activities		S	O	N	D	J	F	M	A	M	J	J	A
Ref. N° /Sub Ref. N°	Title												
1	Updated engineering English training methodology, programmes and techniques		O										O
1.1	Intensive retraining courses of the UA English teaching staff at the UK						=						
1.2	Development of new English courses for engineering students and academics							xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
1.3	Creation of Language Centres										xxxx	xxxx	xxxx