

## TEMPUS Project

"Modernization of two cycles (MA, BA) of competence-based curricula in Material Engineering according to the best experience of Bologna Process" (MMATENG)

### WORKPLAN

Ref.No	Activities	Start	End
1.	Review, analyse, upgrade current curricula in Material Engineering		
1.1.	Review, analyse current curricula in Material Engineering	December 2013	May 2014
1.2.	Upgrade current curricula in Material Engineering incl. ECTS	March 2013	August 2015
2.	Develop new 9 core and 3 transferable curricula inclusive learning environment		
2.1.	<p>Prepare/accredit new curricula on</p> <p>a) institutional level</p> <p>b) national level</p> <p><b>Remarks:</b></p> <p>- the universities, who are responsible for the content will develop and transmit to each target university teaching materials, drafts materials of the curricula, model-drafts of the curricula description, list of recommended literature</p> <p>- each target university examines delivered materials and develop (in national language of teaching or in English), in accordance with local requirements of the labour market, their own teaching materials and curricula incl. curricula description, performs accreditation procedures under existing institutional / national regulations</p>	January 2014	<p>a) May 2015</p> <p>b) September 2016</p>
2.2.	<p>Develop/publish/purchase</p> <p>a) teach. materials</p> <p>b) develop Joint WEB based platform</p>	December 2013	<p>a) September 2015</p> <p>b) September 2016</p>
2.3.	<p>Prepare a set of documentation for Materials Information Technology Labs (MITL) and purchase the equipment</p> <p>a) Prepare a set of documentation and purchase the equipment</p> <p>b) MITL in pilot function</p>	December 2013	<p>a) December 2014</p> <p>b) October 2015</p>
3.	<p>Retrain academic teachers/train *mentors in new curricula and methodology.</p> <p><i>*Mentors have to be trained for teaching roles during the professional student training in enterprises.</i></p>		
3.1.	<p>Retrain academic teachers / train mentors in new curricula and methodology</p> <p>a) Selection criteria for training's participants (teachers/mentors)</p> <p>b) retrain academic teachers</p> <p>c) train mentors</p>	February 2014	<p>a) May 2014</p> <p>b) August 2015</p> <p>c) November 2015</p>

4.	Pilot teaching / operation		
4.1.	Master Classes / pilot operation of MITL a) master Classes according new curricula, modules b) Master Classes and pilot operation of MITL	February 2014	a) June 2015 b) November 2016
4.2.	Teaching students in new curricula / modules	December 2015	November 2016
5.	Establish "Material Engineering Service Offices " (*MESO) with stakeholders support.  <i>*The service packet of Material Engineering Service Office (MESO) will include activities in the frames of self-financing: continuous marketing concerning related field; courses to retrain engineers and mentors in related field on request; workshops on Material Information technologies; engineering services for stakeholders on request/ order in related field.</i>		
5.1.	a) develop documentation b) purchase/install equipment/establish	January 2014	a) January 2015 b) March 2015
5.2.	Staff training/pilot operation of MESO / network	December 2014	November 2016
6.	Quality control		
6.1.	Internal/external evaluation/audit,  Including regular internal interim statements of the Target universities on the implementation of the project (reports: 6M, 12M, 18M, 24M, 30M, 36M)	December 2013	November 2016
7.	Sustainability		
7.1.	Achieve sustainability of output/outcomes defined	December 2013	November 2016
8.	Dissemination		
8.1.	Information conferences	December 2013	November 2016
8.2.	Full media coverage of the project activities inclusive Joint WEB based platform	December 2013	November 2016
9.	Management of the project		
9.1.	Daily project administration and coordination	December 2013	November 2016
9.2.	Coordination meetings	December 2013	November 2016