

**FINAL DEGREE PROJECT PROPOSAL
FOR INCOMING INTERNATIONAL STUDENTS
2016-2017**

Theme of the final degree project	NEW SOLUTIONS TO OPTIMIZED CNC MANUFACTURING APPLICATIONS
Brief description of the project	New machine tools, new cutting tools, new CAM applications are combine to optimize the technology to manufacturing the complex parts. The time of manufacturing, the quality of the components are very important and this demands will define the future strategies for manufacturing. Modality to manage the cutting tools trajectory, to be able to increase the productivity will be underline in the projects and with some experiments to certify the methodologies.
Field of study¹	Cnc machine tools-CAM applications
Level of studies	X Bachelor X Master <input type="checkbox"/> PhD
Type of project	<input type="checkbox"/> Individual project X Team project <input type="checkbox"/> Joint project (university + company_____). <input type="checkbox"/> Other: _____
Number of places available for incoming international students	4
Teaching staff member to host the student(s)	Name:assist.prof. dr.eng. Adrian BUT Contact details: adrian.but@upt.ro
Host department / laboratory / institute / company	Materials and Manufacturing Department
Requirements (competences, skills, completed coursework, etc.)	CAD, CAM
Working language(s)	ENGLISH
Tasks of the student(s)	1. import the CAD in the CAM software 2. elaboration the manufturing methodology 3. operate the CNC machine tools 4. solutions to optimize the process
Expected skills to be aquired during the internship	HOW TO OPERATE AND PROGRAM THE CNC MACHINE TOOLS
Evaluation method	THEORY AND APPLICATIONS
Duration of the project	TWO MONTHS
Period of the project	25.04.2016-25.06.2016
Financial aspects	X Unpaid internship <input type="checkbox"/> Paid internship. Details:_____
Other observations	

¹Please select a code from: <http://www.upt.ro/img/file/Erasmus+/Anexa%20ISCED.pdf>