

<b>Course title:</b>	<b>Operations and Production Process Management for Engineers</b>
<b>Institute/Division:</b>	Institute of Mathematics, Faculty of Physics, Mathematics and Computer Science
<b>Course code:</b>	
<b>Erasmus subject code:</b>	11.2 Statistics
<b>Number of contact hours:</b>	45 hours
<b>Course duration:</b>	1 semester
<b>ECTS credits:</b>	6
<b>Course description:</b>	This class is offered to graduate level engineers (MSc programs) that need to learn more advanced statistical and math model while working on operations management and production management. The math profile will be low and lots of math or stat related problems will be solved using the relevant computer packages. Main topics include PERT-CPM model, scheduling algorithms, production process management and management of services. Special attention will be given to business process reengineering. The textbook will be of Aquilano, Jacobs "Operations and Production Management". Students will be asked to work on practice-related problems using the models learned in class. The curriculum of this class was checked for around 10 years of providing such class within the University of California format and within the National Louis University of Chicago program.
<b>Literature:</b>	Aquilano, Jacobs, <i>Operations and Production Management</i>
<b>Course type:</b>	lectures, classes
<b>Assessment method:</b>	project on practice-related problems
<b>Prerequisites:</b>	elementary probability and statistics
<b>Primary target group:</b>	graduate level engineers (MSc programs)
<b>Lecturer:</b>	Jacek Leśkow, PhD
<b>Contact person:</b>	Jacek Leśkow , e-mail: <a href="mailto:jleskow@pk.edu.pl">jleskow@pk.edu.pl</a>
<b>Deadline for application:</b>	15th of September