



ADMISSION TO DOCTORAL STUDIES

Session September 2022

Field of doctoral studies: Industrial engineering

Doctoral supervisor: Prof. Mircea-Viorel DRĂGOI, PhD

TOPICS FOR THE ADMISSION TO DOCTORAL STUDIES

TOPIC 1: Design for manufacturing of products with special technological requirements
Content / Main aspects to be considered <ul style="list-style-type: none">- <i>CNC technologies for industrial products manufacturing</i>- <i>Advanced technologies for industrial products manufacturing</i>- Design for manufacturing
Recommended bibliography: <ol style="list-style-type: none">1. Molloy, O., Warman, E.A., Tilley, S., Design for Manufacturing and Assembly Concepts, architectures and implementation, 1998, XVII, eBook. 205 p. ISBN 978-1-4615-5785-22. Boothroyd, G., Dewhurst, P., Knight, W. K., Product Design for Manufacture and Assembly, Third Edition (Manufacturing Engineering and Materials Processing) Hardcover – December 8, 2010, ISBN-13: 978-1420089271 ISBN-10: 1420089277 Edition: 3rd3. Anderson, D. M., Design for Manufacturability: How to Use Concurrent Engineering to Rapidly Develop Low-Cost, High-Quality Products for Lean Production Hardcover – February 4, 2014, ISBN-13: 000-1482204924 ISBN-10: 1482204924 Edition: 1st
Prerequisites / Remarks: <i>Bachelor's/master's studies in industrial/mechanical engineering</i>

TOPIC 2: Design for manufacturing with high contribution of innovation of industrial goods
Content / Main aspects to be considered <ul style="list-style-type: none">- <i>Creativity in the design of industrial products</i>- <i>Eco-friendly products</i>- <i>Promoting innovation in manufacturing industrial products</i>
Recommended bibliography: <ol style="list-style-type: none">1. STENERSON, J., CURRAN, K., Computer Numerical Control: Operation and Programming. Prentice Hall, 2007.
Prerequisites / Remarks: - <i>Bachelor's/master's studies in industrial/mechanical engineering</i>

Doctoral supervisor,



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