

REQUIREMENTS

Materials Selection, GEMTT074M-a

- COURSE STRUCTURE: 2 lectures and 1 practical lesson
- REQUIREMENTS FOR THE SIGNATURE:
 - o Participation in the 50% of lectures and practical lessons;
 - o Successful fulfilment, minimum 40%, of one test;
 - o Successful solving of minimum 3 project works in CES, evaluated in 1-5 grade level;
- *Signature cannot be given:*
 - o The student does not participate in more than 40% of lectures and practical lessons;
- NUMBER AND DURATION OF TESTS:
 - o One test have to be fulfilled.
 - o Date: 9th week, 05. 04. 2016.
 - o Evaluation: 100 scores, 1-5 grade levels.
- NUMBER OF PROJECT WORKS: minimum 3.
- NUMBER OF MEASUREMENT WORK: –
- SUBSTITUTION POSSIBILITIES:
 - o In case of neglected tasks: failed test or missed project work, there is a supplementation possibility in the 14th week, 10.05.2016.
- PRACTICAL MARK: –
- EXAM:
 - o Written;
 - o Calculation of exam final mark:
($0.3 \cdot \text{average mark of project works} + 0.7 \cdot \text{exam test mark}$)
- REFERENCES:
 - o William D. Callister, Jr.: Materials Science and Engineering an Introduction, John Wiley&Sons, Inc. 2007.
 - o Ashby, F. M.: Materials Selection in Mechanical Design, Cambridge University Press, Cambridge, 2004. p. 1-246.
 - o Farag, M. M.: Selection of Materials for Engineering Design, Prentice Hall, New York, 1989. p. 1- 533.
 - o ASM Handbook, Volume 20: Materials Selection and Design, ASM International, London, 1997. ISBN 0-87170-386-6, p. 1-900.

9. February 2016.

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