

ADVANCED MATERIALS PROCESSING

(2+1; Signature, Practical mark, Credits 3)

(Requirements)

- **Course structure: 2 lectures and 1 practical lesson, practical mark – 3 credits**
- **Requirements:**
 - Participation in the 60% of lectures and practical lessons
 - Successful fulfilment of two tests and the project work
 - At least satisfactory level (40%) from each test and the project work
 - In case of failed tests the successful fulfilment of additional tests
- Practical mark cannot be given if*
 - the student does not participate in more than 40% of lectures and practical lessons
 - the student does not participate in the tests and additional tests (if necessary)
 - the student does not prepare the project work at least satisfactory level.
- **Number and duration of tests:**

Two tests have to be fulfilled.

 - date: 7th. and 13th week, duration: 60 min
 - evaluation: 60-60 scores, 1-5 grade levels
1: 0...<40 % ; 2: 40...<53 % ; 3: 53...<67 % ; 4: 67...<80% ; 5: 80...100 %
- **Number of project works: one**
 - date of issue: 5th week
 - deadline: 13th week
 - evaluation: 30 scores, 1-5 grade levels
- **Number of measurement work: –**
 - deadline -
 - evaluation: -
- **Substitution possibilities:**
 - In case of failed tests there are two additional tests in the 14th week
- **Practical mark**
 - According to test results (60-60 scores) and project work (30 scores). Totally 150 scores can be achieved. Evaluation by 1-5 grade levels.
- **Exam:**
 - No exam
- **References:**
 - AMS Metals Handbook, Vol. 4 Heat Treating
 - AMS Metals Handbook, Vol. 6 Welding, Brazing and Soldering
 - AMS Metals Handbook, Vol. 7 Powder Metal Technologies
 - AMS Metals Handbook, Vol. 15 Casting

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