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|---|---|-------------------------------------|-----------------|------------------|----|
| 1. Subject name   | Measurement technologies of heat engines II.                      |                                     |                 |                  |    |
| 2. Subject name in Hungarian  | Hőerőgépek mérés technika II                                      |                                     |                 |                  |    |
| 3. Code   | BMEKOGJD014   | 4. Evaluation type                  | exam grade      | 5. Credits       | 3  |
| 6. Weekly contact hours   | 3 (0) Lecture   | 0 (0) Practice                      | 2 (0) Lab       |                  |    |
| 7. Curriculum   | PhD Programme   | 8. Role                             | Specific course |                  |    |
| 9. Working hours for fulfilling the requirements of the subject   |   |                                     |                 |                  | 90 |
| Contact hours   | 14  | Preparation for seminars            | 14              | Homework         | 12 |
| Reading written materials   | 20  | Midterm preparation                 | 30              | Exam preparation | 0  |
| 10. Department  | Department of Automotive Technologies                             |                                     |                 |                  |    |
| 11. Responsible lecturer  | Dr. Zöldy Máté  |                                     |                 |                  |    |
| 12. Lecturers   | Dr. Zöldy Máté  |                                     |                 |                  |    |
| 13. Prerequisites   | strong: BMEKOGJD011 - Measurement technologies of heat engines I. |                                     |                 |                  |    |
| 14. Description of lectures   |   |                                     |                 |                  |    |
| Objective of the subject is the description of laboratory test of heat-engines, especially the internal combustion engine, its propellant and lubricants. (continuation of Measurement technologies of heat engines I.)   |   |                                     |                 |                  |    |
| 15. Description of practices  |   |                                     |                 |                  |    |
|   |   |                                     |                 |                  |    |
| 16. Description of laboratory practices   |   |                                     |                 |                  |    |
|   |   |                                     |                 |                  |    |
| 17. Learning outcomes   |   |                                     |                 |                  |    |
| A. Knowledge <ul style="list-style-type: none"><li>• Is familiar with the images presented in the subject and the individual procedures of the internal relationships.</li></ul> B. Skills <ul style="list-style-type: none"><li>• Capable of all procedures and research.</li></ul> C. Attitudes <ul style="list-style-type: none"><li>• Openness to new opportunities in the field.</li></ul> D. Autonomy and Responsibility <ul style="list-style-type: none"><li>• A vehicle for solving research task.</li></ul> |   |                                     |                 |                  |    |
| 18. Requirements, way to determine a grade (obtain a signature)   |   |                                     |                 |                  |    |
| Knowing the curriculum and application of it. The exam is oral.   |   |                                     |                 |                  |    |
| 19. Opportunity for repeat/retake and delayed completion  |   |                                     |                 |                  |    |
| There is one occasion to retake the exam.   |   |                                     |                 |                  |    |
| 20. Learning materials  |   |                                     |                 |                  |    |
| 2. Martyr, Plint: Engine Testing (The Design, Building, Modification and Use of Powertrain Test Facilities). 4. edition, Elsevier 2012.   |   |                                     |                 |                  |    |
| 3. Kuratle: Motorenmesstechnik. Vogel Buchverlag, 1995.   |   |                                     |                 |                  |    |
| Effective date  | 27 November 2019  | This Subject Datasheet is valid for |                 | Inactive courses |    |