**Tematikák - tantárgyleírások - Nagy István**

**Electrical Engineering I. (Elektrotechnika)**

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| *Name of the subject:*  **Electrical Engineering I. (Elektrotechnika)** | *NEPTUN-code:*  BGRET1KTNC |
| *Subject leader:*  Dr. István Nagy | *Teachers: Dr. István Nagy, Ingrid Langer* |
| *Course description:* | |
| During this subject the students are obtaining the most important information (or some of them, repeating) about the operation of basic laws of electrical engineering: Ohm’s Law, Kirchoff Laws in 1 and 3 phase systems. Moreover, repeating the basic calculation’s methods: calculation of resultant values, regarding resistors and sources, too. Further AC, and DC circuit analyses are performed, less or more by TINA circuit designer software. Then the basic information about operation of DC, AC, and universal electrical motors, will be studied, because these are the essential knowledge regarding to robot applications and operations. The subject is composed from 2 parts: **theoretical** one (these are the lectures, where the theory is studied), and **practical** part, where the students are usually calculating the examples about the selected themes. During the semester the students writing 2 test papers (from practical part of subject), which results are considered in exams. | |

Tárgyfelelős: Dr. Nagy István, egyetemi docens

A tárgyleírást véleményezte:

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Budapest, 2014-02-17.04.03.