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| **Title of the course: Electronics (PMKAUNB152HA)** | **ECTS Credit: 3** |
| Allotment of hours per week: lecture / seminar / tutorial: **2/0/1** |
| Requirement (exam / term mark / etc): **exam** |
| Semester: **2** |
| Prerequisite Courses *(if any)*: *Foundations of electronics* |
| **Course description**: course aims, program and learning outcomes (short and informative format) |
| *Course aims:* Making the students acquainted with the basic electronic parts, analog and digital circuits.*Course program:* Circuit & Resistors, AC Theory, Semiconductors, Amplifiers, Oscillators, Power Supplies, Digital Electronics |
| **Required and recommended literature** (3-5) with bibliographic data(author, title, publication data, ISBN) |
| 1. **http://www.learnabout-electronics.org/**
2. Horowitz P., Hill W.: The Art of Electronics, Cambridge University Press, 1989, ISBN: 0521370957
3. Tietze U., Schenk Ch.: Electronic Circuits – Handbook for Design and Applications, Springer, 2008, ISBN: 3540004297
4. Grinich V.H., Jackson H.G.: Introduction to Integrated Circuits, Mc Graww-Hill, 1975, ISBN: 0070248753
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| **Academic in charge** (name*, position, highest scientific degree* )**: Viktor Bagdán, *assistant lecturer, PhD student*** |
| **Lecturers** (name*, position, highest scientific degree*)**: Viktor Bagdán, *assistant lecturer, PhD student*** |