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| <b>Subject name:</b><br><b>Media technology</b>   |                | <b>NEPTUN-code:</b><br>KHTMT11AND   | <b>Weekly hours: 2</b><br>2 lectures + 0 practises<br>+ 0 laboratory |
| <b>Credits: 3</b><br><b>Req.:</b> Assignment  |                | <b>Prerequisites:</b>   |  |
| <b>Subject leader:</b><br><b>Dr. Sándor Gyányi</b>  | <b>adjunct</b> | <b>Faculty and Department:</b><br>Kandó Kálmán Faculty of Electrical<br>Engineering, Department of<br>Telecommunications Techniques |  |
| <b>Description of Subject</b>   |                |   |  |
| <p>Physiology of visual and auditory systems. Modulations and frequency bands used in media technology. Analogue radio systems (AM, FM). Stereo signal and transfer of it. Transfer of additional information in radio systems. Analogue TV systems (NTSC, PAL). Teletext. Satellite television. Cable TV, hybrid-fibre coaxial networks. Digitalisation of audio and video signals. Lossless and lossy compressions. Digital radio systems. Digitalisation and compression of video signals. Serial digital interface (SDI). First and second generation MPEG standards.</p> |                |   |  |