

**Politehnica University Timișoara**

Faculty of Electronics and Telecommunications

Major: Electronics and Telecommunications (in English)

**Curriculum (Ist and IInd years of study)**

|              | SEMESTER 1                                  |    |    |            |    |              | SEMESTER 2                          |    |   |             |    |              | SEMESTER 3                                    |      |   |            |    |              | SEMESTER 4                                  |    |      |             |   |              |    |    |    |
|--------------|---|----|----|------------|----|--------------|-------------------------------------|----|---|-------------|----|--------------|---|------|---|------------|----|--------------|---|----|------|-------------|---|--------------|----|----|----|
| 1.           | <i>Mathematics I</i>                        |    |    |            |    |              | <i>Mathematics III</i>              |    |   |             |    |              | <i>Electronic Circuits</i>                    |      |   |            |    |              | <i>Analog Integrated Circuits</i>           |    |      |             |   |              |    |    |    |
|              | E   | 4  | 28 | 28         | 0  | 0            | MAT                                 | E  | 4 | 28          | 28 | 0            | 0   | MAT  | E | 5          | 28 | 0            | 28  | 0  | EA   | E           | 4 | 28           | 14 | 14 | 0  |
| 2.           | <i>Mathematics II</i>                       |    |    |            |    |              | <i>Mathematics IV</i>               |    |   |             |    |              | <i>Engineering Electromagnetics</i>           |      |   |            |    |              | <i>Microeconomics</i>                       |    |      |             |   |              |    |    |    |
|              | E   | 4  | 28 | 28         | 0  | 0            | MAT                                 | D  | 4 | 28          | 14 | 14           | 0   | MAT  | D | 4          | 28 | 14           | 14  | 0  | BFI  | D           | 3 | 28           | 14 | 0  | 0  |
| 3.           | <i>Mechanics</i>                            |    |    |            |    |              | <i>Materials Science</i>            |    |   |             |    |              | <i>Signals and Systems</i>                    |      |   |            |    |              | <i>Computer Networks Architecture</i>       |    |      |             |   |              |    |    |    |
|              | E   | 4  | 28 | 28         |    |              | MEC                                 | E  | 4 | 28          | 0  | 28           | 0   | EA   | E | 4          | 28 | 14           | 14  | 0  | TC   | E           | 4 | 28           | 0  | 28 | 0  |
| 4.           | <i>Electrical Circuits</i>                  |    |    |            |    |              | <i>Physics</i>                      |    |   |             |    |              | <i>Digital Integrated Circuits</i>            |      |   |            |    |              | <i>Object Oriented Programming</i>          |    |      |             |   |              |    |    |    |
|              | E   | 5  | 28 | 0          | 28 | 0            | BFI                                 | E  | 5 | 42          | 14 | 14           | 0   | BFI  | E | 4          | 28 | 0            | 28  | 0  | EA   | D           | 4 | 28           | 0  | 28 | 0  |
| 5.           | <i>Introduction to Computer Programming</i> |    |    |            |    |              | <i>Electronic Devices</i>           |    |   |             |    |              | <i>Computer Aided Design</i>                  |      |   |            |    |              | <i>Signal Processing</i>                    |    |      |             |   |              |    |    |    |
|              | D   | 4  | 28 | 0          | 28 | 0            | AIA                                 | E  | 4 | 28          | 0  | 28           | 0   | EA   | D | 4          | 28 | 0            | 28  | 0  | EA   | E           | 5 | 28           | 0  | 28 | 0  |
| 6.           | <i>Culture and Civilization</i>             |    |    |            |    |              | <i>Applied Computer Programming</i> |    |   |             |    |              | <i>Electrical and Electronic Measurements</i> |      |   |            |    |              | <i>Microprocessors and Microcontrollers</i> |    |      |             |   |              |    |    |    |
|              | D   | 2  | 14 | 14         | 0  | 0            | SESU                                | D  | 4 | 28          | 0  | 28           | 0   | AIA  | E | 4          | 28 | 14           | 14  | 0  | MEO  | E           | 5 | 28           | 0  | 28 | 0  |
| 7.           | <i>Second Language</i>                      |    |    |            |    |              | <i>Second Language</i>              |    |   |             |    |              | <i>Second Language</i>                        |      |   |            |    |              | <i>Electronic Circuits Project</i>          |    |      |             |   |              |    |    |    |
|              | D   | 2  | 0  | 28         | 0  | 0            | DCLS                                | D  | 3 | 0           | 28 | 0            | 0   | DCLS | D | 2          | 0  | 28           | 0   | 0  | DCLS | D           | 2 | 0            | 0  | 0  | 28 |
| 8.           | <i>Sport</i>                                |    |    |            |    |              | <i>Sport</i>                        |    |   |             |    |              | <i>Sport</i>                                  |      |   |            |    |              | <i>Sport</i>                                |    |      |             |   |              |    |    |    |
|              | D   | 2  | 0  | 14         | 0  | 0            | EF                                  | D  | 2 | 0           | 14 | 0            | 0   | EF   | D | 1          | 0  | 14           | 0   | 0  | EF   | D           | 1 | 0            | 14 | 0  | 0  |
| 9.           | <i>Experimental Data Processing</i>         |    |    |            |    |              |                                     |    |   |             |    |              | <i>Practical Training</i>                     |      |   |            |    |              | <i>Practical Training</i>                   |    |      |             |   |              |    |    |    |
|              | D   | 3  | 14 | 0          | 14 | 0            |                                     |    |   |             |    |              |   |      | C | 2          | 0  | 0            | 0   | 0  |      | C           | 2 | 0            | 0  | 0  | 0  |
| 10.          |   |    |    |            |    |              |                                     |    |   |             |    |              |   |      |   |            |    |              |   |    |      |             |   |              |    |    |    |
|              |   |    |    |            |    |              |                                     |    |   |             |    |              |   |      |   |            |    |              |   |    |      |             |   |              |    |    |    |
| total / sem. | hours: 350                                  |    |    | assess.: 9 |    |              | hours: 392                          |    |   | assess.: 10 |    |              | hours: 378                                    |      |   | assess.: 9 |    |              | hours: 364                                  |    |      | assess.: 10 |   |              |    |    |    |
|              | credits: <b>30</b>                          |    |    | 4E, 5D     |    |              | credits: <b>30</b>                  |    |   | 4E, 5D      |    |              | credits: <b>30</b>                            |      |   | 4E, 4D, 1C |    |              | credits: <b>30</b>                          |    |      | 4E, 5D, 1C  |   |              |    |    |    |
| total / week | hours: <b>27</b>                            |    |    |            |    |              | hours: <b>28</b>                    |    |   |             |    |              | hours: <b>27</b>                              |      |   |            |    |              | hours: <b>26</b>                            |    |      |             |   |              |    |    |    |
|              | of which                                    | 12 | 10 | 5          | 0  | (c, s, l, p) | of which                            | 13 | 7 | 8           | 0  | (c, s, l, p) | of which                                      | 12   | 6 | 9          | 0  | (c, s, l, p) | of which                                    | 12 | 3    | 9           | 2 | (c, s, l, p) |    |    |    |

**Key:** E = exam, D = continuous assessment, C = colloquium (assessment only for Practical Training)

c = course, s = tutorial, l = laboratory, p = project

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