

SYLLABUS

1. Data about the program of study

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| 1.1 Institution | Technical University of Cluj-Napoca |
| 1.2 Faculty | Faculty of Machine Building |
| 1.3 Department | Mechatronics and Machines Dynamics |
| 1.4 Field of study | Electronic Engineering, Telecommunications and Information Technologies |
| 1.5 Cycle of study | Bachelor of Science |
| 1.6 Program of study / Qualification | Telecommunications Technologies and Systems/ Engineer Applied Electronics/ Engineer |
| 1.7 Form of education | Full time |
| 1.8 Subject code | TST-E22.00, EA-E22.00 |

2. Data about the subject

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|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---|----------------|-----|----------------------|-------|
| 2.1 Subject name | Physical Education and Sports 2 | | | | | | |
| 2.2 Subject area | Sport | | | | | | |
| 2.3 Course responsible | - | | | | | | |
| 2.4 Teacher in charge with seminar / laboratory / project | Assoc. Prof. Alina RUSU, Ph.D. - alina.rusu@mdm.utcluj.ro Assist. Prof. Vlad GROSU, Ph.D. - vlad.grosu@mdm.utcluj.ro Assist. Marius SUCIU, Ph.D. - marius.suciu@mdm.utcluj.ro | | | | | | |
| 2.5 Year of study | 2 | 2.6 Semester | 3 | 2.7 Assessment | A/R | 2.8 Subject category | DC/DI |

3. Estimated total time

| | | | | | |
|-----------------------------------------------------------------------------------|----|----------------------|---|--------------------------|-------|
| 3.1 Number of hours per week | 2 | of which: 3.2 course | 0 | 3.3 seminar / laboratory | 2 |
| 3.4 To Total hours in the curriculum | 28 | of which: 3.5 course | 0 | 3.6 seminar / laboratory | 28 |
| Distribution of time | | | | | hours |
| Manual, lecture material and notes, bibliography | | | | | - |
| Supplementary study in the library, online specialized platforms and in the field | | | | | - |
| Preparation for seminars / laboratories, homework, reports, portfolios and essays | | | | | - |
| Tutoring | | | | | - |
| Exams and tests | | | | | 8 |
| Other activities: | | | | | 14 |
| 3.7 Total hours of individual study | 22 | | | | |
| 3.8 Total hours per semester | 50 | | | | |
| 3.9 Number of credit points | 2 | | | | |

4. Pre-requisites (where appropriate)

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| 4.1 curriculum | N/A |
| 4.2 competence | physically fit, necessary skills, knowledge, skills and abilities gained in school (classes I-XII) |

5. Requirements (where appropriate)

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|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| 5.1. for the course | N/A |
| 5.2. for the seminars / laboratories / projects | Sports Hall, Muncii Blvd, no.103-105, Cluj-Napoca Outdoor and Fitness - "Politehnica" Swimming Complex |

6. Specific competences

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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Professional competences | N/A |
| Transversal competences | CT2: Defining the activities in each stage and distributing them to the subordinates with the complete explanation of the duties, according to the hierarchical levels. It ensures the efficient exchange of information and inter-human communication. CT3: Adaptation to new technologies, professional and personal development, through continuous training. Use of printed documentation sources, specialized software and electronic resources in Romanian and in (at least) one language of international circulation. |

7. Discipline objectives (as results from the key competences gained)

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|-------------------------|-----------------------------------------------------------------------------------------------------------------|
| 7.1 General objective | Harmonious physical development, Maintain health at a high standard |
| 7.2 Specific objectives | 1. Capacity development effort 2. Learning and motor skills development 3. Education volitional qualities |

8. Contents

| 8.2 Laboratory | Teaching methods | Notes |
|--------------------------------------------------------------------------------------------------|------------------|-------|
| 1. Discipline demands and promotion criterion | interactive | |
| 2. Testing of movement skills, capacities and knowledge accumulated in secondary and high school | | |
| 3. Adaptation with physical effort | | |
| 4. Learning of technical process (methods) accessible and possible | | |
| 5. Repetition (improving) of technical process (methods). | | |
| 6. Learning new technical process (methods) | | |
| 7. Semestrial verification | | |
| Bibliography | | |
| 1. Curs de Educație fizică – Litografiat UTC-N | | |
| 2. Dezvoltare fizică generală pentru studenți – UTC-N | | |
| 3. Cultură fizică pentru tineret - UTPRES | | |

9. Bridging course contents with the expectations of the representatives of the community, professional associations and employers in the field

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| The discipline content and the acquired skills are in agreement with the expectations of the professional Competences acquired will be used in the following COR occupations (Electronics Engineer; Telecommunications Engineer; Electronics Design Engineer; System and Computer Design Engineer; Communications Design Engineer) or in the new occupations proposed to be included in COR (Sale Support Engineer; Multimedia Applications Developer; Network Engineer; Communications Systems Test Engineer; Project Manager; Traffic Engineer; Communications Systems Consultant). |
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10. Evaluation

| Activity type | 10.1 Assessment criteria | 10.2 Assessment methods | 10.3 Weight in the final grade |
|-----------------|----------------------------------------------------------------------|--------------------------|--------------------------------|
| 10.4 Course | N/A | N/A | N/A |
| 10.5 Laboratory | 70% + 30% Frequency Active Participation, sports skills and advances | By passing control tests | A/R |

| Date of filling in: | Responsible | Title First name SURNAME | Signature |
|---------------------|--------------|--------------------------------------------------------------------------------------------------|-----------|
| 29.09.2020 | Course | - | |
| | Applications | Assoc. Prof. Alina RUSU, Ph.D. Assist. Prof. Vlad GROSU, Ph.D. Assist. Marius SUCIU, Ph.D. | |

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| Date of approval in the Department of Communications 30.09.2020 | Head of Communications Department Prof. Virgil DOBROTA, Ph.D. |
| Date of approval in the Council of Faculty of Electronics, Telecommunications and Information Technology 30.09.2020 | Dean Prof. Gabriel OLTEAN, Ph.D. |