

SYLLABUS

1. Data about the program of study

1.1 Institution	The Technical University of Cluj-Napoca
1.2 Faculty	Faculty of Automation and Computer Science
1.3 Department	Automation
1.4 Field of study	Automation, Applied Informatics and Intelligent Systems
1.5 Cycle of study	Bachelor of Science
1.6 Program of study / Qualification	Automation and Applied Informatics
1.7 Form of education	Full time

2. Data about the subject

2.1 Subject name	Sport I		Subject code	15.00
2.2 Course responsible / lecturer				
2.3 Teachers in charge of seminars / Laboratory / project	S. L dr.Suciu Marius Adrian, adrian.suciu@mdm.utcluj.ro			
2.4 Year of study	I	2.5 Semester	2	2.6 Type of assessment (E - exam, C - colloquium, V – verification)
2.7 Subject category	Formative category: <i>DF – fundamental, DS – speciality, DC – complementary</i>			DC
	Optionality: <i>DOB – mandatory, DOP – optional (alternative), DFA – optional (free choice)</i>			DOB

3. Estimated total time

3.1 Number of hours per week	2	of which:	3.2 Course	0	3.3 Seminar	2	3.3 Laboratory	0	3.3 Project	0
3.4 Total hours in the teaching plan	28	of which:	3.5 Course	0	3.6 Seminar	28	3.6 Laboratory	0	3.6 Project	0
3.7 Time distribution (hours per semester) for:										
(a) Manual, lecture material and notes, bibliography										0
(b) Supplementary study in the library, online and in the field										0
(c) Preparation for seminars/laboratory works, homework, reports, portfolios, essays										0
(d) Tutoring										0
(e) Exams and tests										4
(f) Other activities:										18
3.8 Total hours individual study hours (sum of (3.3(a))...3.3(f))	22									
3.9 Total hours per semester (3.2+3.4)	50									
3.10 Number of credits points	2									

4. Pre-requisites (where appropriate)

4.1 Curriculum	
4.2 Competence	Physically fit. Required skills; knowledge, skills and motor skills acquired in grades I-XII

5. Requirements (where appropriate)

5.1. For the course	
5.2. For the applications	Participatory. Existence of material base -sports fields, sports facilities and materials. Appropriate sports equipment. They will not leave the field or gym without the teacher's permission. Students' tardiness will not be tolerated.

6. Specific competence

6.1 Professional competences	• Knowledge and understanding of the fundamental concepts, theories, and methods of the field and area of specialization; their appropriate use in professional communication; • Use of fundamental knowledge to explain and interpret various types of concepts, situations, processes, projects, etc., associated with the field.
6.2 Cross competences	• Demonstrate teamwork skills; assimilation of teamwork techniques and assuming specific roles within teamwork; • Cultivate a climate of collaboration, cooperation and understanding towards all group members; • Demonstrate an attitude of respect towards group leaders; • Demonstrate initiative in organizing and directing various specific activities; • Know and respect the basic rules necessary for organizing and carrying out activities specific to the specialization; • Assume individual responsibility for fulfilling the tasks previously outlined

7. Expected Learning Outcomes

Knowledge	• The student/graduate has the knowledge to identify, formulate, demonstrate and explain specific problems in the field of physical education. • The student/graduate explains and interprets general concepts, principles and fundamental methods in the field of human motor skills, organization and management of activity specific to the field, in formative, educational, competitive, therapeutic and organizational contexts. • The student/graduate knows the basic principles of physical education and sports. • The student/graduate understands the role of movement in maintaining health and preventing postural disorders. • The student/graduate knows the physical exercises and sports that contribute to harmonious development and maintenance of physical condition. • The student/graduate acquires notions of hygiene, recovery and relaxation of the body after effort. • The student/graduate understands the moral and cultural values associated with physical education and sports.
Skills	• The student/graduate estimates that he/she is rigorous, efficient and responsible in his/her work, punctual, taking responsibility for the results of his/her professional activity, creative, has common sense and solves problems with ease. • The student/graduate is able to receive and understand messages transmitted orally, • educating himself/herself with positive character traits, moral qualities and willpower that will help in a rapid socio-professional integration. • The student/graduate develops and perfects basic motor qualities (speed, strength, skill, endurance). • The student/graduate develops and perfects motor qualities specific to gymnastics (spatial orientation, relaxation, suppleness, courage). • The student/graduate describes, explains and demonstrates the specific elements of physical education and sports. • The student/graduate applies maintenance, physical condition, recovery and relaxation programs. • The student/graduate creates and adapts physical exercises according to educational objectives and individual needs.
Responsibilities and autonomy	• The student/graduate is able to apply teamwork and interpersonal interaction techniques, enhance and refine empathetic interpersonal communication skills, assume specific roles during group activities to address or resolve individual or group conflicts, and manage time effectively. • The student/graduate takes responsibility for maintaining their own health and physical fitness. • The student/graduate adheres to safety, ethical, and fair-play standards in sports activities. • The student/graduate leverages physical education to promote an active and healthy lifestyle. • The student/graduate contributes to the smooth conduct of group activities through cooperation and mutual support. • The student/graduate independently organizes their training and recovery programs. • The student/graduate shows initiative in selecting appropriate exercises and sports activities. • The student/graduate employs ergonomic positions and correct posture during physical and professional activities. • The student/graduate integrates physical exercise into their personal routine to support long-term health.

8. Discipline objective (as results from the *key competences gained*)

8.1 General objective	Improving physical development and general and specific motor skills
8.2 Specific objectives	- Optimizing the individual level of physical training, emphasizing motor skills reported as deficient. - Enriching the fund of motor skills specific to preferred sports branches and applying them with superior efficiency in organized competitions and contests. - Improving the general state of health, achieving normal functional indicators. - Ensuring harmonious physical development, by constantly acting on the proportionality of muscle groups, preventing the installation of deficient attitudes and correcting physical deficiencies reported at the level of segments and the spine. - Training and assimilation of minimal sports terminology, relating to: notions of regulations, training methods used, parameters, dosage, hygiene, physiology of physical effort, planning and effects of various exercises on the body, notions of tactics, etc - Including as many students as possible in the organized practice of various sports branches, especially outside the university

9. Contents

9.1 Lectures		Hours	Teaching methods	Notes
Bibliography:				
9.2 Applications - Seminars/Laboratory/Project		Hours	Teaching methods	Notes
Presentation of the objectives of the discipline, obligations, students, scoring methods.		2		
Adaptation of the body to effort. Development of reaction speed to auditory-visual stimuli. Education of dynamic strength at the level of the upper, lower limbs, abdomen and trunk through the circuit work method and through work in workshops.		4		
Consolidation of technical elements and procedures in sports games. Notions of regulations in order to organize activities and leisure practice. Bilateral game.		4		
Application of physical exercises in athletics by educating aerobic and mixed resistance through the method of uniform and variable efforts in order to increase cardiorespiratory function.		4		
Formation of motor skills characteristic of sports games. Bilateral game.		6		
Development of elements of coordination capacity: rhythm, precision, static and dynamic balance, spatial-temporal orientation, combination of movements		4		
Taking the control test.		4		
Bibliography				
1. Physical Education Course - UTC-N Lithograph				
2. General Physical Development for Students - UTC-N				
3. Physical Culture for Youth - UT.PRESS				

**Se vor preciza, după caz: tematica seminariilor, lucrările de laborator, tematica și etapele proiectului.*

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

The impact of the discipline is manifested by forming the habit of organized work, individually or in a team, overcoming various physical or mental barriers in order to increase the general physical capacity of the body for health.

11. Evaluation

Activity type	Assessment criteria	Assessment methods	Weight in the final grade
Course			
Seminar/ Laboratory/ Project /Practical activity	Medical exemption: Minimum 10 attendances and paper submission Minimum 10 attendances and control test submission	The topic for the paper is established together with the teacher in the class. Attendance to classes and presentation of the paper. Attendance to classes and taking the control test, following the progress of each student. Control test - utilitarian applicative route within a certain time interval	100%
Minimum standard of performance: Minimum standards related to the components of motor ability tested. Rate of progress. Conduct in activities.			

Date of filling in: 23.06.2026	Responsible	Title First name Last name	Signature
	Course		
	Applications	S. L dr.Suciu Marius Adrian, adrian.suciu@mdm.utcluj.ro	

Date of approval in the department	Head of department, Prof.dr.eng. Mircea BARA
Date of approval in the Faculty Council	Dean, Prof.dr.eng. Vlad Mureşan