

**THEORY OF TECHNOLOGY AND INNOVATION IN PERFORMANCE ANALYSIS:  
TECHNICAL-TACTICAL AND BIOMECHANICAL  
(CODE: 2024064)**

**COURSE SYLLABUS:**

In this course, discussions and critical reflections over the technologies and innovations development, in the performance analysis field, will be developed. The student will be enabled to comprehend analysis of the movement of technical-tactical and/or biomechanical actions. Practical development of data analysis, and in the end, the student will be able of writing of that data, in an article format, according to academic standards

**GOALS:**

Study over the theoretical aspects of the technical-tactical analysis, the time-movement and in biomechanics, with emphasis on: 1) advanced studies of technique and tactics in sports performance and development of game strategies; 2) advanced time-movement studies associated with physiological inferences and practical application in training and creation of physical evaluations; 3) aspects of the production of knowledge in technique-tactic and time-movement; Advanced biomechanics studies in sports and physical practice, and; 4) technological development, creativity and innovation in software and applications for motion analysis. Articles and seminars are carried out with quantitative research, critical analysis of the different methodological approaches of research and debates on the practical application and theory by reason of the performance analysis.

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