



Information about the course

Degree: Bachelor of Sciences of Physical Activity and Sport

Faculty: Faculty of Physical Activity and Sport Sciences

Code: 282047 Name: Fitness and Physical Conditioning

Credits: 6,00 ECTS Year: 4 Semester: 1

Module: 4) Optional Module.

Subject Matter: Professional Itinerary Electives Type: Optativa

Branch of knowledge: Health Sciences

Department: Physical Preparation and Conditioning

Type of learning: Classroom-based learning

Language/-s in which it is given: Spanish

Teachers:

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Module organization

4) Optional Module.

Subject Matter	ECTS	Subject	ECTS	Year/semester
Inclusive Activities and Practices	4	Insclusive Activities and Practices in the Areas of Education and Leisure Time	4	4/2
Anthropology.	12	Anthropology	6	3/1
		Science, Reason and Faith	6	3/2
Collective Sports	22	Basketball	4	4/2
		Football	4	4/2
		Handball	4	4/2
		Hockey	4	4/2
		Volleyball	4	4/2
Adversary Sports	18	Fencing	4	4/2
		Judo	4	4/2
		Paddle	4	4/2
		Tennis	4	4/2
Sports in the Natural Environment	4	Sports in Nature: Specific Techniques	4	4/2
Individual sports	22	Athletics	4	4/2



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	Cycling	4	4/2
	Gymnastics	4	4/2
	Swimming	4	4/2
	Triathlon	4	4/2
4	Gym and Sports Centre Management and Administration	4	4/2
9	Inglés Avanzado para Ciencias Actividad Física y Deporte	4	4/2
	Inglés Intermedio para Ciencias Actividad Física y Deporte	4	4/2
4	Sports Facilities	4	4/2
4	Applied Research Methods and Techniques in Sport Sciences	4	4/2
4	Nutrition	4	4/2
27	Fitness and Physical Conditioning	6	4/1
	Pedagogy in Eduational Values in Sports and Physical Activity	6	4/1
	Skills, Entrepreneurship and Employment	3	4/2
	Sports Management of Human and Economic Resources	6	4/1
	9 4 4 4	Gymnastics Swimming Triathlon 4 Gym and Sports Centre Management and Administration 9 Inglés Avanzado para Ciencias Actividad Física y Deporte Inglés Intermedio para Ciencias Actividad Física y Deporte Inglés Intermedio para Ciencias Actividad Física y Deporte 4 Sports Facilities 4 Applied Research Methods and Techniques in Sport Sciences 4 Nutrition 27 Fitness and Physical Conditioning Pedagogy in Eduational Values in Sports and Physical Activity Skills, Entrepreneurship and Employment Sports Management of Human and Economic	Gymnastics 4 Swimming 4 Triathlon 4 4 Gym and Sports Centre Management and Administration 4 9 Inglés Avanzado para Ciencias Actividad Física y Deporte 4 1 Sports Facilities 4 4 Sports Facilities 4 4 Applied Research Methods and Techniques in Sport Sciences 4 27 Fitness and Physical Conditioning 6 Pedagogy in Eduational Values in Sports and Physical Activity 6 Sports Management of Human and Economic 6



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Professional Itinerary Electives		Theory and Practice of Training for High Performance in Sports	6	4/1
Trends in sports practices	4	Trends in Sports Practices	4	4/2
Social Skills and Group Dynamics	4	Social Skills and Group Dynamics	4	4/2







earning outcomes

Al finalizar la asignatura, el estudiante deberá demostrar haber adquirido los siguientes resultados de aprendizaje:

R12 - Design, develop, evaluate and adapt the planning and programming processes of Fitness activities, taking into account diversity.

Learning outcomes of the specified title

Type of AR: Habilidades o Destrezas

- Analyze, identify, diagnose, promote, guide and evaluate strategies, actions and activities that encourage adherence to an active lifestyle and the participation and regular and healthy practice of physical activity and sport and physical exercise in an adequate, efficient and safe by citizens with the purpose of improving their comprehensive health, well-being and quality of life, and with emphasis on special populations such as: older people (senior citizens), schoolchildren, people with disabilities and people with pathologies, health or assimilated problems (diagnosed and/or prescribed by a doctor) taking into account gender and diversity.

- Apply the principles derived from the concept of integral ecology in your proposals or actions, whatever the scope and area of knowledge and the contexts in which they are proposed.

- Design and apply the methodological process integrated by observation, reflection, analysis, diagnosis, execution, technical-scientific evaluation and/or dissemination in different contexts and in all sectors of professional intervention in physical activity and sports.

- Develop and implement the technical-scientific evaluation of the elements, methods, procedures, activities, resources and techniques that make up the manifestations of movement and the processes of physical condition and physical exercise; taking into account the development, characteristics, needs and context of individuals, the different types of population and the spaces where physical activity and sport are carried out; in the various sectors of professional intervention and with emphasis on special populations.

- Know how to guide, design, apply and technically-scientifically evaluate physical exercise and physical condition at an advanced level, based on scientific evidence, in different areas, contexts and types of activities for the entire population and with emphasis on specific populations. special such as: older people (seniors), schoolchildren, people with disabilities and people with pathologies, health problems or assimilated (diagnosed and/or prescribed by a doctor), taking into account gender and diversity.

Type of AR: Competencias



- Know and know how to apply ethical and deontological principles and social justice in professional performance and involvement, as well as have habits of scientific and professional rigor and a constant attitude of service to citizens in the exercise of their professional practice with which improvement, excellence, quality and efficiency are intended.

- Analyze, review and select the effect and effectiveness of the practice of research methods, techniques and resources and scientific work methodology, in solving problems that require the use of creative and innovative ideas.

R13 - Autonomously design and apply group and individual exercise programs for different populations and Fitness goals and differentiate the appropriate use of training media.

Learning outcomes of the specified title

Type of AR: Habilidades o Destrezas

- Analyze, identify, diagnose, promote, guide and evaluate strategies, actions and activities that encourage adherence to an active lifestyle and the participation and regular and healthy practice of physical activity and sport and physical exercise in an adequate, efficient and safe by citizens with the purpose of improving their comprehensive health, well-being and quality of life, and with emphasis on special populations such as: older people (senior citizens), schoolchildren, people with disabilities and people with pathologies, health or assimilated problems (diagnosed and/or prescribed by a doctor) taking into account gender and diversity.

- Apply the principles derived from the concept of integral ecology in your proposals or actions, whatever the scope and area of knowledge and the contexts in which they are proposed.

- Design and apply the methodological process integrated by observation, reflection, analysis, diagnosis, execution, technical-scientific evaluation and/or dissemination in different contexts and in all sectors of professional intervention in physical activity and sports.

- Develop and implement the technical-scientific evaluation of the elements, methods, procedures, activities, resources and techniques that make up the manifestations of movement and the processes of physical condition and physical exercise; taking into account the development, characteristics, needs and context of individuals, the different types of population and the spaces where physical activity and sport are carried out; in the various sectors of professional intervention and with emphasis on special populations.





- Know how to guide, design, apply and technically-scientifically evaluate physical exercise and physical condition at an advanced level, based on scientific evidence, in different areas, contexts and types of activities for the entire population and with emphasis on specific populations. special such as: older people (seniors), schoolchildren, people with disabilities and people with pathologies, health problems or assimilated (diagnosed and/or prescribed by a doctor), taking into account gender and diversity.

- Respect and put into practice the ethical principles and action proposals derived from the objectives for sustainable development, transferring them to all academic and professional activities.

Type of AR: Competencias

- Know and know how to apply ethical and deontological principles and social justice in professional performance and involvement, as well as have habits of scientific and professional rigor and a constant attitude of service to citizens in the exercise of their professional practice with which improvement, excellence, quality and efficiency are intended.

- Analyze, review and select the effect and effectiveness of the practice of research methods, techniques and resources and scientific work methodology, in solving problems that require the use of creative and innovative ideas.

R14 - Analyze, qualitatively and quantitatively, the results of Fitness activity programs applied in different populations and contexts.

Learning outcomes of the specified title

Type of AR: Habilidades o Destrezas

- Analyze, identify, diagnose, promote, guide and evaluate strategies, actions and activities that encourage adherence to an active lifestyle and the participation and regular and healthy practice of physical activity and sport and physical exercise in an adequate, efficient and safe by citizens with the purpose of improving their comprehensive health, well-being and quality of life, and with emphasis on special populations such as: older people (senior citizens), schoolchildren, people with disabilities and people with pathologies, health or assimilated problems (diagnosed and/or prescribed by a doctor) taking into account gender and diversity.

- Develop and implement the technical-scientific evaluation of the elements, methods, procedures, activities, resources and techniques that make up the manifestations of movement and the processes of physical condition and physical exercise; taking into account the development, characteristics, needs and context of individuals, the different types of population and the spaces where physical activity and sport are carried out; in the various sectors of professional intervention and with emphasis on special populations.





- Know how to guide, design, apply and technically-scientifically evaluate physical exercise and physical condition at an advanced level, based on scientific evidence, in different areas, contexts and types of activities for the entire population and with emphasis on specific populations. special such as: older people (seniors), schoolchildren, people with disabilities and people with pathologies, health problems or assimilated (diagnosed and/or prescribed by a doctor), taking into account gender and diversity.

Type of AR: Competencias

- Analyze, review and select the effect and effectiveness of the practice of research methods, techniques and resources and scientific work methodology, in solving problems that require the use of creative and innovative ideas.

R15 - Correctly handle different technologies to manage the Fitness control process.

Learning outcomes of the specified title

Type of AR: Habilidades o Destrezas

- Analyze, identify, diagnose, promote, guide and evaluate strategies, actions and activities that encourage adherence to an active lifestyle and the participation and regular and healthy practice of physical activity and sport and physical exercise in an adequate, efficient and safe by citizens with the purpose of improving their comprehensive health, well-being and quality of life, and with emphasis on special populations such as: older people (senior citizens), schoolchildren, people with disabilities and people with pathologies, health or assimilated problems (diagnosed and/or prescribed by a doctor) taking into account gender and diversity.

- Apply the principles derived from the concept of integral ecology in your proposals or actions, whatever the scope and area of knowledge and the contexts in which they are proposed.

- Develop and implement the technical-scientific evaluation of the elements, methods, procedures, activities, resources and techniques that make up the manifestations of movement and the processes of physical condition and physical exercise; taking into account the development, characteristics, needs and context of individuals, the different types of population and the spaces where physical activity and sport are carried out; in the various sectors of professional intervention and with emphasis on special populations.

- Respect and put into practice the ethical principles and action proposals derived from the objectives for sustainable development, transferring them to all academic and professional activities.



Type of AR: Competencias

- Know and know how to apply ethical and deontological principles and social justice in professional performance and involvement, as well as have habits of scientific and professional rigor and a constant attitude of service to citizens in the exercise of their professional practice with which improvement, excellence, quality and efficiency are intended.

R16 - Design, evaluate and promote Fitness programs, events and activities based on their evolution and context.

Learning outcomes of the specified title

Type of AR: Habilidades o Destrezas

- Analyze, identify, diagnose, promote, guide and evaluate strategies, actions and activities that encourage adherence to an active lifestyle and the participation and regular and healthy practice of physical activity and sport and physical exercise in an adequate, efficient and safe by citizens with the purpose of improving their comprehensive health, well-being and quality of life, and with emphasis on special populations such as: older people (senior citizens), schoolchildren, people with disabilities and people with pathologies, health or assimilated problems (diagnosed and/or prescribed by a doctor) taking into account gender and diversity.

- Apply the principles derived from the concept of integral ecology in your proposals or actions, whatever the scope and area of knowledge and the contexts in which they are proposed.

- Design and apply the methodological process integrated by observation, reflection, analysis, diagnosis, execution, technical-scientific evaluation and/or dissemination in different contexts and in all sectors of professional intervention in physical activity and sports.

- Develop and implement the technical-scientific evaluation of the elements, methods, procedures, activities, resources and techniques that make up the manifestations of movement and the processes of physical condition and physical exercise; taking into account the development, characteristics, needs and context of individuals, the different types of population and the spaces where physical activity and sport are carried out; in the various sectors of professional intervention and with emphasis on special populations.

- Know how to guide, design, apply and technically-scientifically evaluate physical exercise and physical condition at an advanced level, based on scientific evidence, in different areas, contexts and types of activities for the entire population and with emphasis on specific populations. special such as: older people (seniors), schoolchildren, people with disabilities and people with pathologies, health problems or assimilated (diagnosed and/or prescribed by a doctor), taking into account gender and diversity.





Type of AR: Competencias

- Know and know how to apply ethical and deontological principles and social justice in professional performance and involvement, as well as have habits of scientific and professional rigor and a constant attitude of service to citizens in the exercise of their professional practice with which improvement, excellence, quality and efficiency are intended.

- Analyze, review and select the effect and effectiveness of the practice of research methods, techniques and resources and scientific work methodology, in solving problems that require the use of creative and innovative ideas.







Assessment system

Modalidad presencial

Assessed learning outcomes	Granted percentage	Assessment tool
R12, R14	20,00%	Written and/or practical tests.
R12, R13, R14, R15, R16	60,00%	Individual or Group Work / Project.
R12, R13, R14, R15, R16	20,00%	Exercises and Practices in the Classroom.

Observations

This subject is NOT eligible for a single assessment request in accordance with the provisions of Article 10.3 of the GENERAL REGULATIONS FOR THE ASSESSMENT AND GRADING OF OFFICIAL COURSES AND UCV DEGREE PROGRAMS.

It is necessary to obtain 50% in all assessment instruments to pass the subject.

Attendance at all the practical sessions indicated in the timetable is compulsory. Additionally for this subject, in the case of not attending 80% of these, the student will fail the two sessions of the course, having to make them up in the following enrolment.

If any of these criteria is not met, the student will be graded with a maximum of 4.5.

SPECIFICATIONS OF THE EVALUATION INSTRUMENT

Written and/or practical tests

There will be a single exam at the end of the course in the scheduled dates according to the academic calendar.

This will consist of 2 parts:

•One part with 20 multiple-choice questions with a weighting of 10% of the final grade. Each question will have 4 alternative answers where only 1 is correct. The standard penalty system will





be 1 wrong subtract 33%.

•Another part with 2 development questions to answer with a weighting of 10% of the final grade. •It is necessary to obtain 50% in each part of the exam to pass the subject.

Individual or Group Work / Project

A project related to the contents of the subject may be carried out: elaboration of proposals for monitoring workloads and physical condition assessment systems, according to the type of fitness centre.

Classroom Exercises and Practicals

Participation in the different tasks carried out in class or through the UCVnet platfor

The detailed explanation (procedure for the assignments) as well as the evaluation tools (worksheets or rubrics) for each section will be posted on each group's platform and will be available to the student.







Use of Artificial Intelligence Tools in the CAFD Degree Program

Use of Artificial Intelligence tools in the CAFD degree program In the Bachelor's Degree in Physical Activity and Sports Sciences (CAFD), the use of Artificial Intelligence (AI) tools is permitted in a complementary and responsible manner, as long as it contributes to active learning, the development of critical thinking, and the improvement of students' professional skills. Under no circumstances should AI replace personal effort, direct practice, or independent reflection, which are fundamental pillars of this degree program.

Permitted Uses of AI:

·Obtaining alternative explanations of theoretical or methodological concepts.

·Generating outlines, concept maps, or summaries to support study.

·Simulating interviews, questionnaires, or training sessions as part of methodological or research practices.

Receiving feedback on report writing, provided that the original content is the student's own.

•Supporting the search for bibliography or scientific references, always contrasting with reliable and real academic sources, and respecting the CAFD regulations for the presentation of university work.

Prohibited Uses of AI:

·Writing complete sections of academic papers, classroom exercises and practices, internship reports, journals, or portfolios, as well as the Final Degree Project.

·Formulating hypotheses, objectives, or conclusions for academic work.

·Replacing qualitative or quantitative data analysis with automated tools without human validation.

·Creating videos, presentations, or avatars with AI as a substitute for the student's oral or practical presentation.

·Obtaining automatic answers to tests, rubrics, or assessable activities through the use of AI.

Citation and Attribution Guidelines:

Any use of AI tools must be explicitly acknowledged in the submitted document (e.g., in a footnote or appendix).

•The name of the tool, the purpose of use (e.g., grammatical review, organization of ideas, interview simulation), and where it was used in the work must be indicated.

·Responsible use of AI will be evaluated within the framework of originality, academic honesty, and digital competence.

Additional recommendations:

Students are encouraged to combine the use of AI with traditional methods (manual problem solving, practical session design, direct observation, etc.) to ensure the comprehensive development of their skills.



If there are any doubts about the permitted use of AI in a specific activity, students should consult the faculty responsible for the course.

Actividades formativas

The methodologies to be used so that the students reach the expected learning outcomes will be the following:

- M2 Resolution of problems and cases.
 M3 Discussion in small groups.
 M5 Presentation of content by the teacher.
- M6 Practical lesson.
- M7 Group dynamics and activities.

IN-CLASS TRAINING ACTIVITIES

ACTVITY	RELATIONSHIP WITH THE COURSE LEARNING OUTCOMES	METHODOLOGY	HOURS	ECTS
THEORETICAL CLASS: Presentation of contents by the teacher. Competency analysis. Demonstration of capabilities, skills and knowledge in the classroom.	R12, R13, R14	Discussion in small groups. Presentation of content by the teacher. Group dynamics and activities.	16,00	0,64



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R12, R13, R14, R15, R16	Resolution of problems and cases. Discussion in small groups. Presentation of content by the teacher. Practical lesson. Group dynamics and activities.	38,00	1,52
R12, R14	Resolution of problems and cases. Group dynamics and activities.	4,00	0,16
R12, R13, R14, R15, R16	Discussion in small groups.	2,00	0,08
	R15, R16 R12, R14 R12, R13, R14,	R15, R16problems and cases. Discussion in small groups. Presentation of content by the teacher. Practical lesson. Group dynamics and activities.R12, R14Resolution of problems and cases. Group dynamics and activities.R12, R13, R14,Discussion in small	R15, R16problems and cases. Discussion in small groups. Presentation of content by the teacher. Practical lesson. Group dynamics and activities.R12, R14Resolution of problems and cases. Group dynamics and activities.R12, R13, R14,Discussion in small2,00

TOTAL

60,00 2,40





TRAINING ACTIVITIES OF AUTONOMOUS WORK

ACTVITY	RELATIONSHIP WITH THE COURSE LEARNING OUTCOMES	METHODOLOGY	HOURS	ECTS
GROUP WORK: Problem solving. Preparation of exercises, memoirs, to present or deliver in classes and/or in tutoring.	R12, R13, R14, R15, R16	Resolution of problems and cases. Discussion in small groups. Group dynamics and activities.	20,00	0,80
SELF-EMPLOYED WORK: Study, Individual preparation of exercises, assignments, reports, to present or deliver in classes and/or in tutoring. Activities in platform or other virtual spaces.	R12, R13, R14	Resolution of problems and cases.	70,00	2,80

TOTAL

90,00 3,60





Description of contents

Descripción de contenidos necesarios para la adquisición de los resultados de aprendizaje.

Theoretical content:

Block of content	Contents
1. Concept of Fitness, evolution and typologies.	Concept of Fitness, evolution and typologies.
2. Fitness level according to individual characteristics.	Fitness level according to individual characteristics.
3. Fitness training methods. Moderate and vigorous intensity.	Fitness training methods. Moderate and vigorous intensity.
4. Structure and design of exercises for the improvement of cardiorespiratory fitness.	Structure and design of exercises for the improvement of cardiorespiratory fitness.
5. Structure and design of exercises for the improvement of muscular fitness.	Structure and design of exercises for the improvement of muscular fitness.
6. Structure and design of exercises for the improvement of Joint Fitness (ADM).	Structure and design of exercises for the improvement of Joint Fitness (ADM).
7. Evaluation and control of fitness activities in sports centres. Technological fitness.	Evaluation and control of fitness activities in sports centres. Technological fitness.





Temporary organization of learning:

Block of content	Sessions	Hours
1. Concept of Fitness, evolution and typologies.		10,00
2. Fitness level according to individual characteristics.	5	10,00
3. Fitness training methods. Moderate and vigorous intensity.		8,00
4. Structure and design of exercises for the improvement of cardiorespiratory fitness.	4	8,00
5. Structure and design of exercises for the improvement of muscular fitness.	4	8,00
Structure and design of exercises for the improvement of Joint Fitness (ADM).	4	8,00
7. Evaluation and control of fitness activities in sports centres. Technological fitness.	4	8,00





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