



Information about the course

Degree: Bachelor of Sciences of Physical Activity and Sport

Faculty: Faculty of Physical Activity and Sport Sciences

Code: 282044 **Name:** Science, Reason and Faith

Credits: 6,00 ECTS **Year:** 3 **Semester:** 2

Module: 4) Optional Module.

Subject Matter: Anthropology. **Type:** Optativa

Branch of knowledge: Health Sciences

Department: Basic Sciences and Cross-disciplinary Subjects

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	Inclusive 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



Individual sports		Cycling	4	4/2
		Gymnastics	4	4/2
		Swimming	4	4/2
		Triathlon	4	4/2
Direction and Management of Gyms and Sports Centers	4	Gym and Sports Centre Management and Administration	4	4/2
Idiom	9	Inglés Avanzado para Ciencias Actividad Física y Deporte	4	4/2
		Inglés Intermedio para Ciencias Actividad Física y Deporte	4	4/2
Sports facilities	4	Sports Facilities	4	4/2
Research Methods and Techniques	4	Applied Research Methods and Techniques in Sport Sciences	4	4/2
Nutrition	4	Nutrition	4	4/2
Professional Itinerary Electives	27	Fitness and Physical Conditioning	6	4/1
		Pedagogy in Educational 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



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



Learning outcomes

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

R10 - Acquire basic notions of science and the processes of hominization and humanization.

Learning outcomes of the specified title

Type of AR: Habilidades o Destrezas

- 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 theoretical-practical responses based on the sincere search for the full truth and the integration of all dimensions of the human being when faced with the great questions of life.
- Know, prepare and know how to apply the ethical-deontological, structural-organizational conditions, professional performance and the regulations of professional practice of Graduates in Physical Activity and Sports Sciences, in any professional sector of physical activity and sport (teaching formal and informal physical-sports; physical and sports training; physical exercise for health; as well as being able to develop multidisciplinary work
- 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.
- Understand, know how to explain and disseminate the functions, responsibilities and importance of a good professional Graduate in Physical Activity and Sports Sciences as well as analyze, understand, identify and reflect critically and autonomously on their identity, training and professional performance to achieve the purposes and benefits of physical activity and sport in an adequate, safe, healthy and efficient manner in all physical-sports services offered and provided and in any professional sector of physical activity and sport.

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.



R11 - Reflect on and provide reasons for existential questions related to desires, limits, and transcendence.

Learning outcomes of the specified title

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R13 - Cultivate a sense of faith to engage in fruitful dialogue with contemporary thought and culture regarding human condition and fundamental problems.

Learning outcomes of the specified title



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R14 - Deepen understanding of the reasons underlying hope.

Learning outcomes of the specified title

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R15 - Maintain receptivity toward theories and ideas that may not fully convince the student, while respecting those who hold or have held them.

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R7 - Adequately value the person and the factors constituting their nature: physical, psychological, rational, and spiritual.

Learning outcomes of the specified title

Type of AR: Habilidades o Destrezas

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Assessment system

Modalidad presencial

Assessed learning outcomes	Granted percentage	Assessment tool
R7, R10, R11, R13, R14, R15	50,00%	Written and/or practical tests.
R11	20,00%	Individual or Group Work / Project.
R7, R10, R11, R13, R14, R15	30,00%	Exercises and Practices in the Classroom.

Observations

· The written and/or practical test (50% of the final mark), consists of an exam that may include:

1. Multiple-choice questions (with penalty for errors if agreed)
2. Short questions (conceptual precision)
3. Development questions (capacity for analysis, synthesis and argumentation)

Knowledge, interdisciplinary integration and the capacity for critical personal reflection will be assessed.

· The practical activities and classroom exercises (30% of the final mark) will be based on a common structure of five practices, designed and shared:

1. Historical analysis of a paradigmatic case (e.g. Galileo or Darwin)
2. Dialogical debate on a contemporary science-faith controversy
3. Applied research on a topic with selected bibliography
4. Critical commentary on a philosophical or theological text
5. Reflective forum on the personal relationship with science and transcendence

Attendance to the exercises and classroom practices is compulsory.

· The student may keep the assessment instruments passed during the 3 years following the first enrolment.

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



- If any of these criteria are not met, the student will be graded with a maximum of 4.5.
- Attendance to exercises and classroom practice is compulsory.

This subject can be applied for a single assessment by means of a request to the Secretary's Office, providing the appropriate evidence and justification for the request. This is essential for the application to be assessed by the subject's teaching staff.

The detailed explanation (procedure of the tasks) as well as the evaluation instruments (cards or rubrics) of each section will be published on the platform of each group at the student's disposal.



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.
- M7 Group dynamics and activities.

IN-CLASS TRAINING ACTIVITIES

ACTIVITY	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.	R7, R10, R11, R13, R14, R15	Discussion in small groups. Presentation of content by the teacher. Group dynamics and activities.	43,00	1,72
PRACTICAL CLASS / SEMINAR: Group dynamics and activities. Resolution of problems and cases. Practical laboratories. Data search, computer classroom, library, etc. Meaningful construction of knowledge through student interaction and activity.	R7, R10, R11, R13, R14, R15	Resolution of problems and cases. Discussion in small groups. Group dynamics and activities.	16,00	0,64



EVALUATION: Set of oral and/or written tests used in the evaluation of the student, including the oral presentation of the final degree project.	R7, R10, R11, R13, R14, R15	Resolution of problems and cases. Discussion in small groups.	2,00	0,08
TUTORING: Supervision of learning, evolution. Discussion in small groups. Resolution of problems and cases. Presentation of results before the teacher. Presentation of diagrams and indexes of the proposed works.	R7, R10, R11, R13, R14, R15	Discussion in small groups.	4,00	0,16
TOTAL			65,00	2,60

TRAINING ACTIVITIES OF AUTONOMOUS WORK

ACTIVITY	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.	R7, R10, R11, R13, R14, R15	Resolution of problems and cases. Group dynamics and activities.	40,00	1,60
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.	R7, R10, R11, R13, R14, R15	Resolution of problems and cases.	45,00	1,80
TOTAL			85,00	3,40



Description of contents

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

Theoretical content:

Block of content	Contents
BLOCK I	SCIENCE AND RELIGION.SCIENTIFIC KNOWLEDGE AND RELIGIOUS KNOWLEDGE.RELATIONS BETWEEN SCIENCE AND RELIGION.
BLOCK II	SCIENTIFIC MATERIALISM
BLOCK III	HISTORY OF THE SCIENCE-FAITH RELATIONSHIP: HOLY FATHERS AND THE MIDDLE AGES THE BIRTH OF MODERN SCIENCE THE GALILEO CASE - COSMOLOGY AND CREATION. THE ORIGIN OF THE UNIVERSE. -DARWIN AND THE THEORY OF EVOLUTION. THE ORIGIN OF LIFE AND THE HUMAN BEING MODERN SCIENTISTS AND THE QUESTION OF GOD
BLOCK IV	SCIENCE AND ETHICS
BLOCK V	SCIENCE, RELIGION AND THE ENVIRONMENT
BLOCK VI	CHRISTIANITY AND THE HISTORY OF RELIGIONS



Temporary organization of learning:

Block of content	Sessions	Hours
BLOCK I	7	14,00
BLOCK II	4	8,00
BLOCK III	12	24,00
BLOCK IV	4	8,00
BLOCK V	3	6,00
BLOCK VI	3	5,00



References

- Artigas, M. (1983). Ciencia, razón y fe. Iniciación filosófica. Editorial EUNSA: Pamplona (Navarra)
- Escudero, E. (2002). Creer es razonable: fenomenología y filosofía de la religión. Ediciones Siquem: Valencia
- Pablo VI. (1965). Gaudium et spes. Recuperado de:
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http://w2.vatican.va/content/francesco/es/encyclicals/documents/papafrancesco_20130629_enciclica-lumen-fidei.html
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- Bolloré M-Y & Bonnassies, O. (2023). *Dios, la ciencia y las pruebas. El albor de una revolución. ¿Y si Dios existe?* Editorial Funambulista: Madrid.
- Gingerich, O. (2022). *El planeta de Dios*. Editorial Trotta: Madrid.
- González-Hurtado, J.C. (2023). *Nuevas evidencias científicas de la existencia de Dios*. Editorial Voz de Papel: Madrid.