



## Information about the subject

**Degree:** Bachelor of Science Degree in Dentistry

**Faculty:** Faculty of Medicine and Health Sciences

**Code:** 480102 **Name:** Science, Reason and Faith

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

**Module:** Module 5: Anthropology and Professional Ethics

**Subject Matter:** SCIENCE, REASON AND FAITH **Type:** Compulsory

**Field of knowledge:** Ciencias de la Salud

**Department:** Theology, Social Doctrine of the Church and Deontology or Professional Ethics

**Type of learning:** Classroom-based learning

**Languages in which it is taught:** English, Spanish

### Lecturer/-s:

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## Module organization

### Module 5: Anthropology and Professional Ethics

Subject Matter	ECTS	Subject	ECTS	Year/semester
ANTHROPOLOGY	6,00	Anthropology	6,00	2/1
SCIENCE, REASON AND FAITH	6,00	Science, Reason and Faith	6,00	1/1
SOCIAL MORAL-DEONTO LOGY	6,00	Social Morality. Deontological Ethics	6,00	3/1

## Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

- R1 Adequately values the person and the factors that constitute his nature: physical, psychic, rational and spiritual.
- R2 Recognizes the social character of the person and the primacy of love in human relations, valuing the foundations of action in solidarity.
- R3 Understands the dynamics of freedom and its implications: moral responsibility.
- R4 Knows the basic notions of science and the processes of hominization and humanization.
- R5 Reflects on and gives reason to existential questions: desires, limits and transcendence.
- R6 Identifies the place of affections and emotions in the person.
- R7 Proves to sharpen the sense of faith in order to establish a fruitful dialogue with current thought and culture regarding the human condition and its fundamental problems.



## Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

GENERAL	Weighting			
	1	2	3	4
CG1 I aCapacity for analysis and synthesis				X
CG2 I bOrganizational and planning skills			X	

  

SPECIFIC	Weighting			
	1	2	3	4
CE A 1 Know the essential elements of the dental profession, including ethical principles and legal responsibilities.		X		
CE A 2 Understand the importance of such principles for the benefit of the patient, society and the profession, with special attention to professional secrecy.		X		
CE A 3 Identify the patient's concerns and expectations, as well as to communicate effectively and clearly, both orally and in writing, with patients, relatives, the media and other professionals.		X		
CE A 4 Understand and recognize the social and psychological aspects relevant to the treatment of patients.			X	
CE A 5 Know how to apply the principles of anxiety and stress management to oneself, to patients and to other members of the dental team.		X		
CE A 6 Understand the importance of developing a professional practice with respect to patient autonomy, beliefs and culture.			X	
CE A 7 Promote autonomous learning of new knowledge and techniques, as well as motivation for quality.		X		
CE A 8 Know how to share information with other health professionals and to work as a team.		X		



CE A 9 Understand the importance of maintaining and using records with patient information for subsequent analysis, preserving the confidentiality of the data.

X

CE A 10 Know and identify the psychological and physical problems derived from gender violence in order to train students in the prevention, early detection, assistance, and rehabilitation of the victims of this form of violence.

X

## TRANSVERSAL

### Weighting

1 2 3 4

1. a. Analysis and synthesis skills

X

1. b. Organizational and planning capacity

X

1. c. Oral and written communication in the native language.

X

1. d. Knowledge of a foreign language

X

1. e. Computer skills

X

1. f. Information management capacity

X

1. g. Problem solving

X

1. h. Decision making

X

2. i. Teamwork

X

2. j. Multidisciplinary teamwork

X

2. k. Work in an international context

X

2. l. Interpersonal skills

X

2. m. Recognition of diversity and multiculturalism

X

2. n. Critical Reasoning

X



2. o.	Ethical commitment				X	
3. p.	Autonomous learning					X
3. q.	Adaptation to new situations				X	
3. r.	Creativity				X	
3. s.	Leadership		X			
3. t.	Knowledge of other cultures and customs				X	
3. u.	Initiative and entrepreneurship				X	
3. v.	Motivation for quality					X
3. w.	Sensitivity to environmental and socio-health issues					X



## Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R3, R4, R7	10,00%	OPEN QUESTIONS: Written exam in which basic theory knowledge and the ability to relate, integrate and coherently express it in writing is assessed.
R1, R4, R5	50,00%	MULTIPLE CHOICE TEST: Multiple choice test with one correct answer. This shows to greater extent the contents acquired by the student.
	0,00%	ORAL TEST: Oral exam in which the student answers the questions the teacher asks, verbally explaining the contents acquired, allowing for interaction with the teacher.
R1, R2, R4, R5	20,00%	PRESENTATION: The student develops by means of an oral presentation, supported with audio-visual materials, a theme or topic given by the teacher. At the end of the presentation, the teacher or audience may ask questions.
R1, R2, R3, R4, R5, R6, R7	15,00%	ASSIGNMENTS: The student, either individually or in a group, develops a theme which reviews or researches, and he/she presents it, in writing, for assessment by the teacher.
R2, R3	5,00%	CLASS PARTICIPATION: The teacher assesses the participation, involvement and progress the student makes in acquiring knowledge and skills in theory and practical classes and seminars. This is never more than 5% of the final grade.

### Observations

The necessary material to follow the course is available on the Platform.

**Attendance:** a minimum of 25% attendance will be necessary to pass the subject.

Deliverable activities on Platform: they are brief papers about articles.

**Presencial exam:** Written test at the end of the course. The student has to pass the written test in order to average with the rest of the assessment elements.

According to Article 22 of the Regulations governing the Evaluation and Qualification of UCV



Courses, the mention of "Distinction of Honor" may be awarded by the professor responsible for the course to students who have obtained, at least, the qualification of 9 over 10 ("Sobresaliente"). The number of "Distinction of Honor" mentions that may be awarded may not exceed five percent of the number of students included in the same official record, unless this number is lower than 20, in which case only one "Distinction of Honor" may be awarded.

### **For the 2nd registration group:**

They are required to retake all assessment items.

And, as in the Presencial group, the student has to pass the written test to be able to average with the rest of the evaluation elements.

### **MENTION OF DISTINCTION:**

According to Article 22 of the Regulations governing the Evaluation and Qualification of UCV Courses, the mention of "Distinction of Honor" may be awarded by the professor responsible for the course to students who have obtained, at least, the qualification of 9 over 10 ("Sobresaliente"). The number of "Distinction of Honor" mentions that may be awarded may not exceed five percent of the number of students included in the same official record, unless this number is lower than 20, in which case only one "Distinction of Honor" may be awarded.

## Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

- |    |  |
|----|--|
| M1 | Lecture.<br>Problem Solving.<br>Explanation of contents by the teacher.<br>Explanation of knowledge and skills.  |
| M5 | Problem and case solving. Written tasks.<br>Online activity on the e-learning platform.<br>Personal study.<br>Compiling information and documentation. |
| M6 | Discussion and problem solving.  |
| M8 | Oral presentations by students.  |
| M9 | Group work: group work sessions supervised by the teacher.<br>Knowledge building through interaction and activity of students.                         |



- M13 Personal preparation of written texts, essays, problem solving, seminars.
- M15 Personalised Attention. Period of instruction and/or guidance carried out by a tutor with the aim of analysing with the student his/her work, activities and evolution in learning of subjects.

## IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
THEORY CLASS M1	R1, R2, R3, R4, R5, R6, R7	56,00	2,24
TUTORING M15	R2, R3, R5	2,00	0,08
EVALUATION M5	R1, R2, R3, R4, R5, R6, R7	2,00	0,08
<b>TOTAL</b>		<b>60,00</b>	<b>2,40</b>

## LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
INDIVIDUAL WORK M5, M13	R1, R3, R4, R5	70,00	2,80
GROUP WORK M5, M6, M8, M9, M13	R1, R3, R4, R5, R7	20,00	0,80
<b>TOTAL</b>		<b>90,00</b>	<b>3,60</b>





## Description of the contents

Description of the necessary contents to acquire the learning outcomes.

### Theoretical contents:

Content block	Contents
U 1. Science and Religion.	This Unit presents science and religion as two great worldviews called to complement each other through the mediation of philosophy. The different types of religiosity are worked on, as well as the two great forms of no religiosity: atheism and agnosticism.
U3. Relationships between Science and Religion.	This Unit deals with the main types of relationships that can occur, and have historically occurred, between Science and Religion as human activities: conflict, independence, dialogue, complementarity, integration.
U 4. Scientific materialism.	This Unit focuses on the nature of scientific materialism and its implications in the understanding of the human being in relation to the characteristics of intelligence and freedom. Fundamental notions such as matter, spirit, scientism, determinism, indeterminacy, freedom, mind, brain, will be explained.
U 5. Science and Faith.	Reception of the scientific contents of antiquity in the Christian culture.
U 6. Fathers of the Church and Middle Ages.	This Unit collects the role of the Holy Fathers in preserving knowledge in Europe after the fall of the Roman Empire, as well as the important work of the Church in promoting culture: medieval manuscripts, libraries, creation of universities.
U 7. The birth of modern science.	This Unit focuses on how the scientific revolution was originated: nature of modern science, most representative figures, and precursors of it in the Middle Ages.
U 8. Galileo Case.	Historical figure of Galileo: Trial against Galileo, position of the Church then and today. Contrast with the figure of Copernicus.



U 9. Cosmology and Creation. The origin of universe.

Review of the main scientific theories on the origin and expansion of the universe. Interpretation of the religious proposal of the creation of world. Relationship between both proposals.

U 10. Darwin and Evolution Theory.

Historical figure of Darwin. How his theory of evolution was conceived. Position of the Church regarding it: Divine Creation and Providence, and human singularity. Implementations to the Darwinian evolution theory. Difference between evolution theory and radical evolutionism.

U 11. The origins of life and human being.

Main scientific theories on the origin of life and humanity. Dispersion of humanity. Specific characteristics of *Homo sapiens sapiens*.

UD 2. Scientific knowledge and religious knowledge.

In this Unit, the epistemological characteristics of scientific knowledge and religious knowledge are worked on: principles, object, methodology, scope and limits. It shows the need for both types of knowledge to reach an adequate knowledge of reality.

U 12. Science and Ethics.

Ethical nature of the human being. Main ethical paradigms. Essential character of the ethical dimension in professional work. Social dimension of ethics.



## Temporary organization of learning:

Block of content	Number of sessions	Hours
U 1. Science and Religion.	3,00	6,00
U3. Relationships between Science and Religion.	3,00	6,00
U 4. Scientific materialism.	2,50	5,00
U 5. Science and Faith.	2,50	5,00
U 6. Fathers of the Church and Middle Ages.	2,50	5,00
U 7. The birth of modern science.	2,50	5,00
U 8. Galileo Case.	3,00	6,00
U 9. Cosmology and Creation. The origin of universe.	2,00	4,00
U 10. Darwin and Evolution Theory.	2,00	4,00
U 11. The origins of life and human being.	3,00	6,00
UD 2. Scientific knowledge and religious knowledge.	2,00	4,00
U 12. Science and Ethics.	2,00	4,00



## 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:  
[http://www.vatican.va/archive/hist\\_councils/ii\\_vatican\\_council/documents/vat-ii\\_const\\_19651207\\_gaudium-et-spes\\_sp.html](http://www.vatican.va/archive/hist_councils/ii_vatican_council/documents/vat-ii_const_19651207_gaudium-et-spes_sp.html)
- Papa Francisco. (2013). Lumen fidei. Recuperado de:  
[http://w2.vatican.va/content/francesco/es/encyclicals/documents/papa-francesco\\_20130629\\_enciclica-lumen-fidei.html](http://w2.vatican.va/content/francesco/es/encyclicals/documents/papa-francesco_20130629_enciclica-lumen-fidei.html)
- Papa Francisco. (2015). Laudato si. Recuperado de:  
[http://w2.vatican.va/content/francesco/es/encyclicals/documents/papa-francesco\\_20150524\\_enciclica-laudato-si.html](http://w2.vatican.va/content/francesco/es/encyclicals/documents/papa-francesco_20150524_enciclica-laudato-si.html)
- Pío XII. (1950). Humani generis. Recuperado de  
[http://w2.vatican.va/content/pius-xii/es/encyclicals/documents/hf\\_p-xii\\_enc\\_12081950\\_humani-generis.html](http://w2.vatican.va/content/pius-xii/es/encyclicals/documents/hf_p-xii_enc_12081950_humani-generis.html)
- Ratzinger, J. (2011). Fe y ciencia. Un diálogo necesario. Editorial Sal terrae:Maliaño (Cantabria)
- Ratzinger, J. (2005). Fe, verdad y tolerancia. Fe cristiana y religiones mundiales.Editorial Sígueme (4o ed.): Salamanca
- San Juan Pablo II. (1995). Evangelium vitae. Recuperado de:  
[http://w2.vatican.va/content/john-paul-ii/es/encyclicals/documents/hf\\_jp-ii\\_enc\\_25031995\\_evangelium-vitae.html](http://w2.vatican.va/content/john-paul-ii/es/encyclicals/documents/hf_jp-ii_enc_25031995_evangelium-vitae.html)
- San Juan Pablo II. (1998). Fides et ratio. Recuperado de:  
<https://www.google.es/search?q=Fides+et+ratio&oq=Fides+et+ratio&aqs=chrome..69i57j0l5.4791j0j4&sourceid=chrome&ie=UTF-8>
- Udías, A. (2010). Ciencia y religión. Dos visiones del mundo. Editorial Sal terrae:Maliaño (Cantabria)
- Artículos seleccionados por el Profesor.