MEDICAL CHEMISTRY (2018-19)

Código:	Fecha de aprobación:	Precio:
D063	09/01/2014	39,27 1st registration credits
Créditos:	**Título:**	
60	Master (ECTS)	

RAMA
Sciences

PLAN
UNIVERSITY MASTER'S DEGREE IN MEDICAL CHEMISTRY

TIPO DE ENSEÑANZA
Combined Face-to-face and On line

CENTROS DONDE SE IMPARTE
Faculty of Science

ESTUDIO IMPARTIDO CONJUNTAMENTE CON
Solo se imparte en esta universidad

FECHAS DE EXAMEN
Acceda al listado de fechas de examen para esta titulación.

PLAN DE ESTUDIOS OFERTADO EN EL CURSO 2018-19

Leyenda: No ofertada | Sin docencia

UNIVERSITY MASTER'S DEGREE IN MEDICAL CHEMISTRY

COMPULSORY SUBJECTS — 30 créditos

Curso	Título	Créditos	Subject
1	END OF MASTER WORK	15	36652 - MASTER'S DEGREE FINAL PROJECT
1	COMPULSORY	2	36600 - BIOSCIENCE SEMINARS
1	COMPULSORY	3	36601 - PATENTS, INTELLECTUAL PROPERTY AND BUSINESS DEVELOPMENT AND MANAGEMENT (SPIN-OFF)
1	COMPULSORY	3	36605 - DOCUMENTATION, COMMUNICATION AND DISSEMINATION IN BIOSCIENCE
1	COMPULSORY	3	36607 - EXPERIMENTAL DESIGN IN THE HEALTH SCIENCES AND BIOINFORMATICS
1	COMPULSORY	3	36609 - IMAGE PROCESSING TECHNIQUES AND SIGNAL ANALYSIS IN BIOSCIENCE
1	COMPULSORY	1	36610 - SOCIAL, ETHICAL AND LEGAL CONSIDERATIONS IN BIOMEDICINE AND LIFE TECHNOLOGIES

OPTIONAL SUBJECTS — 30 créditos

OWN OPTIONAL SUBJECTS — 22 créditos

Curso	Título	Créditos	Subject
-	OPTIONAL	4	36615 - PHARMACEUTICAL PRINCIPLES FOR THE DESIGN OF NEW DRUGS
-	OPTIONAL	3	36630 - BIOORGANIC TRANSFORMATIONS
-	OPTIONAL	3	36631 - SYNTHESIS OF ORGANOMETALLIC COMPOUNDS
-	OPTIONAL	2	36633 - ASYMMETRIC SYNTHESIS METHODOLOGIES
-	OPTIONAL	3	36634 - SOLID STATE SYNTHESIS, COMBINATORIAL CHEMISTRY AND BIOLOGICAL ACTIVITY ANALYSIS
-	OPTIONAL	3	36636 - ADVANCED ORGANIC MATERIALS
-	OPTIONAL	3	36638 - BIOORGANIC ANALYSIS USING MASS SPECTROMETRY
-	OPTIONAL	4	36639 - ASYMMETRIC CATALYSIS: ORGANOCATALYSIS AND METAL CATALYSIS
-	OPTIONAL	4	36640 - THE CELL FACTORY: ENGINEERING AND PHARMACOGNOSY OF NATURAL BIOACTIVE PRODUCTS
-	OPTIONAL	3	36642 - INDUSTRIAL PHARMACEUTICAL CHEMISTRY
-	OPTIONAL	3	36643 - ADVANCED NUCLEAR MAGNETIC RESONANCE

OPTIONAL SUBJECTS OTHER ROUTES — máximo 8 créditos

Curso	Título	Créditos	Subject
-	OPTIONAL	2	36611 - INTRA-AND INTERCELLULAR SIGNALLING
-	OPTIONAL	2	36612 - ADVANCES IN NEUROSCIENCE
-	OPTIONAL	3	36613 - BASIC RESEARCH MODELS IN THE STUDY OF DISEASE: FROM BIOPHYSICS TO THE PATHOLOGY OF
-	OPTIONAL	3	36614 - BASIC RESEARCH MODELS IN THE STUDY OF DISEASE: NEURODEGENERATIVE DISEASES OF THE
-	OPTIONAL	3	36617 - HUMAN GENETICS: GENETIC DIAGNOSIS AND ASSISTED REPRODUCTION
-	OPTIONAL	2	36618 - NUTRITION IN HEALTH AND ILLNESS
-	OPTIONAL	2	36619 - STEM CELLS AND REGENERATIVE MEDICINE
-	OPTIONAL	2	36620 - CLINICAL AUDIOLOGY
-	OPTIONAL	1	36621 - EXPERIMENTATION WITH ANIMAL MODELS
-	OPTIONAL	2	36622 - FUNCTIONAL DIAGNOSTIC TECHNIQUES
-	OPTIONAL	2	36623 - ADVANCES IN CELLULAR AND TISSULAR TECHNIQUES
-	OPTIONAL	2	36625 - ADVANCES IN CELL CULTURE
-	OPTIONAL	2	36626 - CLINICAL ANALYSES: BIOCHEMICAL AND MICROBIOLOGICAL
-	OPTIONAL	3	36628 - INTRODUCTION TO ADVANCED MOLECULAR ANALYSIS AND DIAGNOSTIC TECHNIQUES
-	OPTIONAL	8	36653 - BIOTECHNOLOGY LABORATORIES
-	OPTIONAL	2	36654 - GENETIC MODIFICATION OF ORGANISMS
-	OPTIONAL	2	36655 - STRUCTURAL AND FUNCTIONAL ANALYSIS OF PROTEINS
-	OPTIONAL	2	36656 - FUNCTIONAL GENOMICS AND PROTEOMICS
-	OPTIONAL	2	36657 - MOLECULAR MARKERS AND THEIR APPLICATIONS IN THE LIFE SCIENCES
-	OPTIONAL	2	36658 - MOLECULAR MICROBIOLOGY
-	OPTIONAL	2	36659 - SIGNALLING AND REGULATION OF GENE EXPRESSION
-	OPTIONAL	2	36660 - PROTEIN ENGINEERING AND MOLECULAR DESIGN

-	OPTIONAL	2	36661 - AGRICULTURAL BIOTECHNOLOGY
-	OPTIONAL	2	36662 - FOOD BIOTECHNOLOGY
-	OPTIONAL	2	36663 - ENVIRONMENTAL BIOTECHNOLOGY

Superado este bloque se obtiene
MASTER'S DEGREE IN MEDICAL CHEMISTRY

OBJECTIVES

The general aim of this Master's Degree is to train professionals in the field of Medicinal Chemistry research. The course provides specialisation focused primarily on the acquisition of research skills, linked to learning advanced knowledge and developing a command of state of the art techniques and abilities, some of which are of a multidisciplinary nature. The aim is to offer specific training which will equip students to enter a professional environment which is undergoing a process of rapid development, and to facilitate student participation in advanced research projects that increasingly require the synergic action of different groups from diverse experimental disciplines. Students will be introduced to some of the different areas of research being carried out by the research teams involved in teaching of the Master's Degree.

For each area of research, the general objectives are as follows:
1. To acquire the advanced skills necessary for experimental laboratory work within the context of Medicinal Chemistry.
2. To understand the use and limitations of the most advanced research technology available today.
3. To acquire the knowledge and capacity to identify problems, seek practical, creative solutions and apply them to research or professional practice within the context of Medicinal Chemistry.
4. To acquire the ability to conduct an advanced research project.
5. To develop the ability to communicate and present scientific work, both orally and in writing, clearly and concisely.
6. To acquire the skills necessary for lifelong independent and self-directed learning.
7. To acquire a solid grounding which will enable students to begin a career in research through studying for a doctorate level degree, or to carry out professional duties in Medicinal Chemistry which do not require a doctorate degree.

MASTER'S DEGREE: CREDITS AND SUBJECTS

Subject type	Credits
Compulsory (OB)	15
Optional Routes (MOI)	22-33
Optional Free Elective Modules (MOLE)(See Appendix I)	0-8
Master's Final Project (OB)	15
TOTAL CREDITS	**60**

DISTRIBUTION OF SUBJECTS BY YEAR/SEMESTER

FIRST SEMESTER 30 ECTS			SECOND SEMESTER 30 ECTS		
SUBJECT	TYPE	ECTS	SUBJECT	TYPE	ECTS
PATENTS, INTELLECTUAL PROPERTY AND BUSINESS DEVELOPMENT AND MANAGEMENT(SPIN-OFF)	OB	3	MASTER'S FINAL PROJECT	OB	15
BIOSCIENCE SEMINARS	OB	2			
DOCUMENTATION, COMMUNICATION AND DISSEMINATION IN THE BIOSCIENCES	OB	3			
EXPERIMENTAL DESIGN IN THE HEALTH SCIENCES	OB	3			
IMAGE PROCESSING TECHNIQUES AND SIGNAL ANALYSIS IN THE BIOSCIENCES	OB	3			
SOCIAL, ETHICAL AND LEGAL CONSIDERATIONS IN BIOMEDICINE AND LIFE TECHNOLOGIES	OB	1			
OPTIONAL SUBJECTS	OP	15	OPTIONAL SUBJECTS	OP	15

OPTIONAL ROUTE SUBJECTS (MOI)			
SUBJECT	TYPE	ECTS	SEMESTER
BIOORGANIC TRANSFORMATION	OP	3	1
SYNTHESIS OF ORGANOMETALLIC COMPOUNDS	OP	3	1

ASYMMETRIC SYNTHESIS METHODOLOGIES	OP	2	1
SOLID STATE SYNTHESIS, COMBINATORIAL CHEMISTRY AND BIOLOGICAL ACTIVITY ANALYSIS	OP	3	1
ADVANCED ORGANIC MATERIALS	OP	3	1
PHARMACOLOGICAL BASES FOR THE DESIGN OF NEW DRUGS	OP	4	1
BIORGANIC ANALYSIS WITH MASS SPECTROMETRY	OP	3	2
ASYMMETRIC ANALYSIS: ORGANOCATALYSIS AND METAL CATALYSIS	OP	4	2
THE CELL FACTORY: ENGINEERING AND PHARMACOGNOSY OF NATURAL BIOACTIVE PRODUCTS	OP	4	2
INDUSTRIAL PHARMACEUTICAL CHEMISTRY	OP	3	2
ADVANCED NUCLEAR MAGNETIC RESONANCE	OP	3	2

APPENDIX I: BIOMEDICINE AND LIFE TECHNOLOGIES PROGRAMME

The University Master's Degree in Medicinal Chemistry at the University of Alicante forms part of a common postgraduate training programme in Biomedicine and Life Technologies, coordinated by the Faculty of Science. This programme in Biomedicine and Life Technologies has been implemented in response to the need for recent graduates in Science and Health Sciences to specialise by extending their knowledge and skills and to acquire training which will equip them to study on doctorate programmes. Postgraduate studies should be characterised by quality and sustainability, in accordance with the educational, scientific and social objectives of a public institution. In addition, this Master's degree programme benefits from the resources available at the University of Alicante which include ample infrastructure as well as the multidisciplinary possibilities offered by the Faculty of Science, namely course programmes in the areas of Science and Health Sciences. The present course proposal consists of a common programme for the three Master's Degree courses related to Biomedicine and Life Technologies. These Master's Degrees, which share a coherent, inter-related structure, include "Biomedicine", "Biotechnology for Health and Sustainability", and "Medicinal Chemistry" . The ultimate aim is to provide extensive and attractive training, characterised by excellence and aimed at a diverse group of students who nevertheless share a common interest in the different aspects of biomedicine and life technologies, a field of enormous scientific and social importance today.

The 15 credits of compulsory subjects are common to the four masters that make up the training program. Whereupon, an advantage for the student because in case you want to pursue a second master these 15 credits would common and validated.

Since the Master's Degree in Medicinal Chemistry forms part of the Postgraduate Training Programme in Biomedicine and Life Technologies, the course contains a final free elective block (maximum 8 credits) from which students may choose subjects related to the area of Medicinal Chemistry (after consultation with the their academic tutor): the free elective Biomedicine module, the free elective Biotechnology module and the free elective Clinical Optometry and Vision module,

OPTIONAL SUBJECTS POSTGRADUATE TRAINING PROGRAMME IN BIOMEDICINEAND LIFE TECHNOLOGIES (MOLE)

SEMESTER 1		SEMESTER 2	
SUBJECT	ECTS	SUBJECT	ECTS
FREE ELECTIVE MODULE: BIOTECHNOLOGY			
THE BIOTECHNOLOGY LABORATORY	8	STRUCTURAL AND FUNCTIONAL ANALYSIS OF PROTEINS	2
		FUNCTIONAL PROTEOMICS AND GENOMICS	2
		MOLECULAR MARKERS AND THEIR APPLICATIONS IN THE LIFE SCIENCES	2
		MOLECULAR MICROBIOLOGY	2
		GENE SIGNALLING AND REGULATION	2
GENETIC MODIFICATION OF ORGANISMS	2	PROTEIN ENGINEERING AND MOLECULAR DESIGN	2

		AGRICULTURAL BIOTECHNOLOGY	2
		THE BIOTECHNOLOGY OF FOOD	2
		ENVIRONMENTAL BIOTECHNOLOGY	2
FREE ELECTIVE MODULE: BIOMEDICINE			
ADVANCES IN NEUROSCIENCE	2	INTRA- AND INTERCELLULAR SIGNALLING	2
BASIC RESEARCH MODELS IN THE STUDY OF DISEASE: NEURODEGENERATIVE RETINAL DISEASE	3	BASIC RESEARCH MODELS IN THE STUDY OF DISEASE: FROM BIOPHYSICS TO IONIC CHANNEL PATHOLOGY	3
STEM CELLS AND REGENERATIVE MEDICINE	2	HUMAN GENETICS: GENETIC DIAGNOSIS AND ASSISTED REPRODUCTION	3
EXPERIMENTATION WITH ANIMAL MODELS	1	NUTRITION IN HEALTH AND ILLNESS	2
FUNCTIONAL DIAGNOSTIC TECHNIQUES	2	CLINICAL AUDIOLOGY	2
INTRODUCTION TO ADVANCED TECHNIQUES FOR MOLECULAR ANALYSIS AND DIAGNOSTICS	3	ADVANCES IN CELLULAR AND TISSULAR TECHNIQUES	2
		CLINICAL ANALYSES: BIOCHEMISTS AND MICROBIOLOGISTS	2
CLINICAL OPTOMETRY PROCEDURES	3	VISION REHABILITATION	6
ADVANCED VISUAL OPTICS	6	ADVANCED CONTACTOLOGY	3
		CLINICAL STRABISMUS	3
NEW TECHNIQUES IN VISUAL COMPENSATION	6	ADVANCED VISUAL ERGONOMICS	3

GENERAL COURSE PROGRAMME

The Master's Degree in Clinical Optometry and Vision is divided into three modules:

- Module 1: comprising core subjects. (15 credits).
- Module 2: containing specific subjects, (30 credits).
- Module 3 Master's Final Project (15 credits).

The course forms part of a common course programme (Biomedicine and Life Technologies), and students may study up to a maximum of 8 optional credits from other Master's Degree courses within the same programme.

Each Master's Degree is worth 60 ECTS credits, 15 of which are compulsory and 30 are optional. Of the latter, at least 22 ECTS credits must be taken from one route in order to obtain specialisation in that area. The remaining 15 ECTS credits correspond to the Master's Final project.

The Core Module offers subjects are of a crossdisciplinary nature providing an introduction to research in the Sciences ("Documentation, communication and dissemination in the Biosciences";"Patents, intellectual property and business development and management"; "Bioethics; social, ethical and legal aspects") together with others of a more specific nature ("Image processing techniques and signal analysis in the biosciences"; "Experimental design and bioinformatics" and "Bioscience seminars"). The aim of this module is to provide students with the basic tools for conducting research in the sciences.

The specific subject module includes all the subjects pertaining to Medicinal Chemistry. The objectives and contents of these subjects are described on their respective pages.

The Master's Final Project constitutes an independent module in which students will undertake a piece of research requiring them to apply all the knowledge they have acquired from both the core module and the specific module.

ENTRY REQUIREMENTS AND SELECTION CRITERIA

According to the Regulations of the University of Alicante, the following requirements must be complied to have access to official taught Master's degrees:

1. To be in possession of a SPANISH OFFICIAL GRADUATE DEGREE CERTIFICATE or other issued by an institution of higher education within the EHEA (European Higher Education) that enables the holder to have access to Master's degrees in the issuing.
2. To be in possession of an officially approved FOREIGN HIGHER EDUCATION DEGREE CERTIFICATE that had been recognised as equal to the degree that allows access to the requested studies.
3. To be in possession of a UNIVERSITY DEGREE CERTIFICATE obtained in a University or Higher Education Institution of COUNTRIES OUTSIDE THE EHEA, without the prior approval of their studies. In this case, the following should be considered:

    - Non- recognised degree certificates shall require a technical report showing an equivalence statement issued by the University of Alicante (ContinUA – Continuing Education Centre), for which the corresponding fee should be paid.
    - Access through this way does under no circumstances imply prior official approval of the holder's degree certificate, nor its recognition for purposes other than studying a master's degree.

ADMISSION AND ASSESSMENT CRITERIA

Applicant profile, admission criteria and other requirements

Should it be necessarry to carry out a selection process or verify any of the student admission requirements, the Master's Academic Committee will ensure compliance with all regulations pertaining to admission to the Master's Degree in Medicinal Chemistry, without affecting any other admission prerequisites envisaged, and it will conduct student interviews if required.

Of the 20 places available, 14 will be reserved for graduates in Chemistry or Pharmacy who completed their studies in the five/four academic years prior to commencement of the Master's Degree. The remaining 6 places will be reserved for graduates in Chemistry who do not fulfill the previous requirement. Should any of these 6 places remain vacant, they will be awarded to graduates from the first group.

The admission criterion for the first group will be based on the overall academic grade awarded for the Degree. Where applicants were awarded the same grade, preference will be given to the applicant who completed their studies in less time. Where a tie between applicants persists, the Master's Academic Committee will reach a decision based on an interviews with the applicants concerned.

Admission criteria for the remaining places will be based on the applicant's academic record (6 points), research activities (3 points) and previous professional experience (1 point), in accordance with a scale to be approved by the Master's Academic Committee prior to commencement of the pre-enrolment period.

PRE-ENROLMENT AND ENROLMENT

PRE-ENROLMENT +info

Students who intend to study for an officially recognised Master's Degree at the UA should complete pre-enrolment in accordance with the guidelines and deadlines specified annually.

ENROLMENT +info

Following publication of the final list of those admitted to the course, an email containing a user password will be sent to successful applicants, enabling them to enrol via the **Campus Virtual** in accordance with the guidelines and deadlines specified annually.

In the registration process, the **documents issued abroad** must be official, duly notorised and translated. Further information:

- http://sga.ua.es/en/academic-regulations/legalizacion/legalization-of-documents.html

NUMBER OF PLACES

COURSE	NUMBER OF PLACES
2012-13	20
2013-14	20
2014-15	20
2015-16	20
2016-17	20

FOCUS

Research.

This Master's Degree focuses primarily on research, providing students with an advanced theoretical and experimental training in the area of Medicinal Chemistry, which supports further doctorate studies in this branch of Chemistry.

The contents of this course, together with the wide range of optional subjects offered, complement a predominantly research focus and should serve to facilitate students' entry into the workforce in this field.

Areas of research include:

- Activation of metals by solvated electrons.
- Allylic organoindium compounds in organic synthesis.
- Functionalised organolithium compounds: applications in organic synthesis.
- Functionalisation of polymeric materials and their use in synthesis on solid support.
- Preparation and applications of functionalised organometallic compounds from lithiated derivatives.
- Carbometalation reactions and their applications.
- Arene-catalysed lithiation reactions: mechanisms and applications.
- Enantioselective reactions catalysed by chiral ligands.
- Asymmetric catalysis using chiral Lewis acid.
- Asymmetric synthese using chiral phase transfer agents.
- Catalysis using aminoacid derivatives
- Solid-state catalysis.
- Palladium catalysts in cross-coupling reactions.
- Guanylation reagents.
- Protective functional group reagents.
- Sulphones in organic synthesis.
- Heterocycle synthesis
- Amino acid derivatives as organocatalysts in asymmetric synthesis.
- asymmetric synthesis of chiral compounds using amino acid- and peptide-derived ligands.

DEGREE COURSE SPECIALISATION PROFILE

This Master's Degree focuses on an introduction to research in the field of Medicinal Chemistry. The aim is to help students decide their specialisation and provide them with the specialist knowledge that is most relevant to their previous degree studies. Thereafter, students will be introduced to research in their chosen area.

PROFESSIONAL PROFILE

This Master's Degree is not associated with regulated professional skills.

TIMESCALE FOR IMPLEMENTATION

1. Timescale for implementation of the new Master's Degree

Academic year	Implementation of the Master's Degree
2010-2011	1st year

2. Equivalence Recognition Procedures, where appropriate, between the current and the new course programme.

A credit equivalence table is provided below, showing credit equivalence between the present course programmes for the Doctorate in Experimental and Applied Biology and the Inter-University Master's Degree in Advanced Optometry and Vision, and the new course programme in Biomedicine and Life Technologies. The aim of this credit equivalence scheme is to enable students who have taken subjects on the present courses to enrol onto the new course without detriment.

MASTER'S IN ADVANCED OPTOMETRY AND VISION SCIENCES			
MOACV	**CRED**	**MOV**	**ECTS**
CLINICAL DECISION MAKING	5	ADVANCED CLINICAL OPTOMETRY	6
ADVANCED OPHTHALMIC OPTICS	3	ADVANCED VISUAL OPTICS	6
ADVANCED PHYSIOLOGICAL OPTICS	3		
ADVANCES IN THE NEUROSCIENCE OF VISION	4	THE NEUROSCIENCE OF VISION	3
ADVANCED CONTACTOLOGY I	2	ADVANCED CONTACTOLOGY	3
BIOSTATISTICS IN THE HEALTH SCIENCES	4	STATISTICS IN THE HEALTH SCIENCES	3
VISION THERAPY, ORTHOPTICS AND PLEOPTICS	4.5	VISION REHABILITATION	6
ADVANCES IN VISUAL ERGONOMICS	4	ADVANCED VISUAL ERGONOMICS	3
CLINICAL STRABISMUS	4	CLINICAL STRABISMUS	3
MECHANISMS AND MODELS OF COLOUR VISION MECHANISMS AND MODELS OF SPATIAL VISION MECHANISMS AND MODELS OF MOVEMENT VISION MECHANISMS AND MODELS OF DEPTH VISION		MECHANISMS AND MODELS OF VISION	3
IMAGING TECHNIQUES FOR RESEARCH AND DIAGNOSIS	4	IMAGING TECHNIQUES FOR RESEARCH AND DIAGNOSIS	6
ADVANCED OPTICAL MATERIALS	5	NEW OPTICAL MATERIALS	3
CLINICAL OCULAR PATHOLOGY	3	CLINICAL OCULAR PATHOLOGY	3

SCIENTIFIC DOCUMENTATION	3	SCIENTIFIC DOCUMENTATION	3
CLINICAL PRACTICE/OTHER SUBJECTS		OPTIONAL	UP TO 9 CRED

CREDIT EQUIVALENCE WITH SUBJECTS FROM THE DOCTORATE PROGRAMME IN EXPERIMENTAL AND APPLIED BIOLOGY			
BEA	**CRED**	**MBT-MBM**	**ECTS**
BIOFERTILISERS AND BIOPLAGUICIDES	3	AGRICULTURAL BIOTECHNOLOGY	2
BIOINFORMATICS APPLIED TO DNA SEQUENCE ANALYSIS	3	EXPERIMENTAL DESIGN IN THE HEALTH SCIENCES AND BIOINFORMATICS	3
STEM CELLS: DIFFERENTIATION AND CELL THERAPY	3	STEM CELLS AND REGENERATIVE MEDICINE	2
INTERCELLULAR COMMUNICATION (62262)	3	INTRA- AND INTERCELLULAR SIGNALLING	2
MOLECULAR MICROBIAL ECOLOGY	3	MOLECULAR MICROBIOLOGY	2
STTRUCTURE AND FUNCTION OF EXTREMOPHILIC PROTEINS	3	STRUCTURAL AND FUNCTIONAL ANALYSIS OF PROTEINS	2
PROTEOMICS (63619)	3	FUNCTIONAL PROTEOMICS AND GENOMICS	2
SEMINARS ON EXPERIMENTAL AND APPLIED BIOLOGY	3	ADVANCES IN BIOSCIENCES	2
ENZYME ENGINEERING	2.5	PROEIN ENGINEERING AND MOLECULAR DESIGN	2
METHODS FOR THE FUNCTIONAL STUDY OF CULTURE CELLS	2.5	ADVANCES IN CELL CULTURE	2
NUCLEIC ACID ANALYSIS TECHNIQUES	2.5	INTRODUCTION TO ADVANCED TECHNIQUES FOR MOLECULAR ANALYSIS AND DIAGNOSTICS	2
IMMUNOCYTOCHEMISTRY TECHNIQUES, CONFOCAL MICROSCOPY AND WESTERN BLOTTING (62200)	2.5	ADVANCES IN CELLULAR AND TISSULAR TECHNIQUES	2

3. Studies that will be discontinued and replaced by the proposed Degree course:

Course programmes for the Doctorate in Experimental and Applied Biology and the Inter-University Master's degree in Advanced Optometry and Vision.

- Verified Report
- Resolution from the Universities Council: Positive verification
- Resolution from the Universities Council (CU): Accreditation renewal
- Authorization from the Valencian Government

Internal Quality Assurance System (SGIC) of the Title

- Structure of the Centre for Quality
  - Comission of Internal Quality Guarantee
  - Other Commissions
- Handbook SGIC
- Procedures
  - Strategic (PE)
  - Key (PC)
  - Support (PA)
  - Measurement (PM)
- Management of the SGIC (Access to ASTUA)

Follow-up of the Title

- Self-reports UA
- External reports AVAP
- Other reports
- Improvement Plans
- Progress and Learning Outcomes

Information about the Centre	General information for students
• **Faculty of Sciencies** Campus de San Vicente del Raspeig Ctra. de Alicante s/n 03690 San Vicente del Raspeig (Alicante) Telephone:+ 34 96 590 3557 Fax:+ 34 96 590 3781 facu.ciencies@ua.es http://ciencias.ua.es/en/ • **Department of Organic Chemistry** Campus de San Vicente del Raspeig Ctra. de Alicante s/n 03690 San Vicente del Raspeig (Alicante) Telephone:+ 34 96 590 3986 Fax:+ 34 96 590 3549 dgorg@ua.es http://dgorg.ua.es/en/ **Manager/coordinator of master:** josecarlos.gonzalez@ua.es • **Life Long Learning Centre (ContinUA)** **Only for pre-enrolment formalities** Germán Bernácer Building. Ground Floor Telephone: + 34 96 590 9422 Fax: + 34 96 590 9442 continua@ua.es https://web.ua.es/en/continua/	• Grants and assistance • Accommodation • Student refectories and cafeterias • Transport • Emergency medical care • Insurance • Services for students with special needs • Student representation and participation • University student identity card (TIU) • Frequently asked questions
UA: General Regulations	**+ Information about qualifications**
• Academic regulations and procedures of the University of Alicante	• Official State Gazette (BOE) on publication of course programmes Error correction Error correction • Own Web • Information pamphlet • Details title on the RUCT