

**Second correction of Annex I of the call for applications for the UAM Tomás y Valiente  
2024 Contract Programme**

Having noticed an error, Annex I, concerning the “STRATEGIC PRIORITY RESEARCH LINES”, is hereby amended, as the following department were not included:

**PHILOSOPHY AND LITERATURE FACULTY**

Department of General Linguistics, Logic and Philosophy of Science, Modern Languages, Theory of Literature and Comparative Literature, and East Asian Studies

Area of General Linguistics

1. Theoretical and applied research on language, languages, discourse, and communication.

Area of Logic and Philosophy of Science

1. Developments in contemporary epistemology: nature and value of knowledge, epistemic normativity, and various themes within social epistemology.
2. Theory of argumentation and analysis of argumentative practices in the public sphere.
3. Cultures of knowledge, visual and documentary cultures, the artisanal dimension of science, and the role of instruments and knowledge artifacts.
4. Interactions among philosophy of mind, cognitive science, and epistemology. Extended mind, Artificial Intelligence, and technology.

Area of East Asian Studies

1. Grammar of the Chinese language.
2. History of Japan within its Asian context.
3. Political systems and international politics of East Asia.

4. Society and religion in pre-modern China.
5. Oral narrative of Japan.
6. Modern and contemporary Chinese literature.
7. Contemporary East Asia: regional socioeconomic trends, anthropological issues, history of cultural interactions, artistic identities.
8. Japanese visual culture and its history

Additionally, corrections are made to the research lines of the Department of Pedagogy within the FACULTY OF TEACHER TRAINING AND EDUCATION:

**WHERE IT STATES:**

Department of Pedagogy

1. Didactics and School Organization
2. Area of Research Methods and Educational Diagnosis

**IT SHOULD STATE:**

Department of Pedagogy

1. Teacher training. Teacher identity. Educational leadership. Cross-cutting competencies. Didactics. Processes for educational quality. Effective teaching. Educational practices. Active methodologies. Didactic methodologies. Evaluation and participatory methodologies. Transdisciplinarity in education.
2. Education for Social Justice. Pedagogy of care and socio-educational transformations. Knowledge dialogue. Coeducation. Sustainable human development. Human rights. Gender equity and peace. School segregation. Equity in education.
3. Service-learning. University social responsibility. University teaching.
4. Leisure education. Youth empowerment.
5. Literacy and digital competency in Spain and Latin America. Digital competency. Computational thinking, soft skills, and makerspace.
6. Education for a more conscious life: pedagogy of death and other radical topics.
7. Didactic innovation. Creativity and complexity for educational innovation.
8. Neuro-pedagogy.

9. Inclusive education. Inclusive co-teaching. Inclusive citizenship.

The corrected text is included as an annex.

In Madrid, as of the date of the electronic signature below.

The President of the Governing Council

## ANNEX I

### STRATEGIC PRIORITY RESEARCH LINES

#### FACULTY OF ECONOMICS AND BUSINESS

##### Department of Economic Structure and Development Economics

1. Development Economics: New perspectives and policies; financing development; poverty and inequality.
2. Development and globalisation: Economic integration, foreign investment and international commerce.
3. Regional development strategies.
4. Innovation economy and digital economy.
5. Health economy.
6. Economy and labour relations: Unions of collective bargaining and its effects on labour relations and/or company performance; youth unemployment; job quality and gender.
7. Strategies and sustainable development policy: circular economy and innovation for sustainable development.

##### Department of Economics and Public Finance

1. Economic analysis of public policies.
2. Effects of new technologies on the design and implementation of public policies.
3. Digital Economy and Taxation.

##### Department of Economic Analysis: Quantitative Economics

1. Microeconomics: discreet choice models, censored regression, sample selection, panel data models, impact evaluation techniques.
2. Mathematical Economics: game theory, social choice, social welfare, social networks, dynamic economics, risk and uncertainty, sustainable resources.
3. Mathematics: partial derivative equations and applications, differential equations and applications, fractal geometry and chaos, applied algebraic topology, Markov processes and applications.
4. Machine Learning models for the prediction and analysis of economic variables.
5. Supervised and unsupervised analysis techniques with applications to data on economic variables.

##### Department of Economic Analysis: Economic Theory and Economic History

1. Economic History

### Department of Applied Economics

1. Predictive analytics with machine learning techniques applied to business entourage: supervised learning techniques, data-handling, data visualisation, automatic modelling.
2. Econometric models applied to the company in the presence of microdata; discrete response models, survival-curves, quantile regression, panel data...
3. Multivariate analysis techniques applied to business, unsupervised learning techniques; clustering, dimensionality, association...
4. Simulation models applied to the firm; input-output analysis of the interrelationship between business variables and macroeconomic indicators...
5. Methods of geospatial analysis and spatial econometrics with socioeconomic and business applications: spatial-temporal predictive models, spatial origin destination models, spatial network models, geo-big data, geovisualisation and geomarketing methods.
6. Implications of Silver Economy in the sanitary strategy and policy.
7. Limited resources and sustainability. Water as a decisive factor of population movement and economic growth gap.
8. Circular economy and digital transformation.
9. Sectorial-spacial impact of European funds for the economic recovery.
10. Job demand and future professions.
11. Social structural changes: gender and training questions.
12. Applied analysis of the touristic impact on the economy.
13. Education economy.

### Accounting Department

1. Financial accounting and capital markets: accounting information quality; earnings management; executive compensation.
2. Audit.
3. Management accounting: use and design of management control systems, innovation; strategy.
4. Environmental accounting.
5. Accounting history.

### Financing and Market Research Department

1. Digital marketing: consumer behaviour and new technologies.
2. Consumer experience and branding.
3. Entertainment marketing.
4. Financial strategy, value and corporate governance.

## **LAW FACULTY**

### Department of Private, Social and Economic Law

1. History of Legal Institutions (both public and private).
2. International Private Law.
3. European Private Law.
4. Modernisation of Property Law.
5. Commercial Law.
6. Litigation and Arbitration Law.
7. Challenges of the social order in the light of economic transformations.

Department of Public Law and Legal Philosophy

1. Administrative Law
2. Constitutional Justice
3. State Ecclesiastical Law
4. Legal philosophy

Department of Political Science and International Relations

1. Political Science and International Relations

**PHILOSOPHY AND LITERATURE FACULTY**

Department of Arabic and Islamic Studies

1. Teaching Arabic as a foreign language.
2. Cultural studies (Arabic and Islamic worlds)

Department of English Philology

1. English Linguistics: Theory and Application.
2. Literature and Culture of English-speaking Countries.
3. Theoretical Investigation and Practice in Translation and Interpreting (English-Spanish and Spanish-English).

Department of Contemporary History

1. Contemporary history of the sub-Saharan Africa, Eastern Europe or Asia (Far East, South East Asia or India).
2. Contemporary History of Technology.
3. Contemporary History of the Environment.

Department of Ancient History, Medieval History, Paleography, and Diplomatics

1. Area of Ancient History: Politics, society, and economy in the Ancient World.
2. Area of Medieval History: Resources, ideology, and power relations in the Peninsular Middle Ages.

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Theory of Literature and Comparative Literature, and East Asian Studies

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Area of Logic and Philosophy of Science

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8. Japanese visual culture and its history.

**FACULTY OF TEACHER TRAINING AND EDUCATION**

Specific Didactics Department

1. Use of architectural, urban and natural spaces as teaching tools and specific teaching materials for the learning of Experimental Sciences, Social Sciences and Mathematics at different pre-university educational stages.
2. Technology in Mathematics Education.
3. Science and mathematics education from a socio-critical and emotional perspective.
4. Learning trajectories/progressions from a STEM perspective.
5. Teacher training in Teaching of Experimental Sciences in disadvantaged environments.
6. Teaching of Environmental Education from an eco-social perspective.

7. Citizen science for the formation of scientifically informed citizenship.
8. Heritage Education: teaching of historical, archaeological, cultural and artistic heritage for preschool, primary and secondary school.
9. Education for a critical and participative citizenship.
10. Teaching of Human Rights and Democracy.
11. Teaching of historical memory and the history of the present for primary and secondary school.
12. Teaching of Landscape: the management of natural and cultural areas from an educational perspective.

#### Department of Physical Education, Sport and Human Kinetics

1. Physical Activity and Health
2. Physical Activity and Disability
3. Lifesaving and lifeguarding
4. Physical Activity and Physical Environment
5. Corporal Expression
6. Sports training
7. Teaching of Physical Education

#### Department of Philologies and their Teaching

1. Teaching/learning of the mother tongue and second languages/foreign languages (Spanish, English, French).
2. Linguistics.
3. Literature, children's and youth literature and literary education.

#### Music Department

1. Music and Digital Humanities.
2. Musical Heritage: recovery, conservation and diffusion.
3. Court music and musical theatre (17<sup>th</sup>-19<sup>th</sup> centuries).

#### Department of Pedagogy

1. Teacher training. Teacher identity. Educational leadership. Cross-cutting competencies. Didactics. Processes for educational quality. Effective teaching. Educational practices. Active methodologies. Didactic methodologies. Evaluation and participatory methodologies. Transdisciplinarity in education.
2. Education for Social Justice. Pedagogy of care and socio-educational transformations. Knowledge dialogue. Coeducation. Sustainable human development. Human rights. Gender equity and peace. School segregation. Equity in education.
3. Service-learning. University social responsibility. University teaching.



4. Leisure education. Youth empowerment.
5. Literacy and digital competency in Spain and Latin America. Digital competency. Computational thinking, soft skills, and makerspace.
6. Education for a more conscious life: pedagogy of death and other radical topics.
7. Didactic innovation. Creativity and complexity for educational innovation.
8. Neuro-pedagogy.
9. Inclusive education. Inclusive co-teaching. Inclusive citizenship.

#### Department of Developmental and Educational Psychology

1. Inclusive education and diversity in university and non-university education (indicators, teaching methods and strategies, universal learning design, multilevel curriculum, teacher training, innovation projects).
2. Oral and written language (bilingualism, language processing, emotional language, difficulties in language acquisition, literacy learning).
3. Personality development (body image, identity, gender, emotional development, mental health).
4. Citizenship and social justice education.
5. Sport psychology.
6. Educational uses of new technologies.
7. Emotional competence of teachers.

### **FACULTY OF MEDICINE**

#### Nursing Department

1. Vulnerability, migratory phenomena and social inequalities in health.
2. Comprehensive care for people living with chronicity, dependency and their family members.
3. Care for women, children and teenagers.
4. Construction of identity and social representation of nursing.
5. Teaching innovation and ICTs in Nursing.

### **FACULTY OF PSYCHOLOGY**

#### Department of Evolutionary and Educational Psychology

1. Educational inclusion and exclusion: interpersonal processes in schools.
2. Early development and education.

Department of Social Psychology and Methodology

1. Psychological Processes in Social Psychology.
2. Social Psychology and Methodology.
3. Models and Applications in Statistics and Psychometrics.

Department of Biological and Health Psychology

1. Psychological Processes.
2. Biological and Health Psychology.