

Asignatura:	Introducción a la Psicología II/ Introduction to Psychology II
Código:	17964
Centro:	Facultad de Psicología
Titulación:	Psicología
Nivel:	Grado / Bachelor (first cycle)
Tipo:	Formación básica / Compulsory subject
Créditos:	6 ECTS

1.- Asignatura / Course Title

- Introduction to Psychology II/ Introducción a la Psicología II

1.1.- Código / Course code

- 17964

1.2.- Materia / Content area

- Introduction to Psychology/Introducción a la Psicología

1.3.- Tipo / Course type

- Compulsory subject Formación básica

1.4.- Nivel / Course level

- Bachelor (first cycle) / Grado

1.5.- Curso / Year

- 1st year/ 1º

1.6.- Semestre / Semester

- 1st (Fall semester) / 1º

1.7.- Número de créditos ECTS / ECTS allotment

- 6 ECTS credits/6 créditos ECTS

1.8.- Requisitos previos / Prerequisites

- Esta asignatura se imparte en inglés / This course is taught in English

1.9.- Requisitos mínimos de asistencia a las sesiones presenciales / Minimum attendance requirement

- Students must have at least a B2 level, according to the common European framework of reference for languages. If not, they will have to follow the subject by way of teaching in Spanish. No attendance requirements (PART 1). Mandatory attendance to practical and seminar sessions (PART 2).

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1.10.- Datos del Equipo Docente / Faculty Data

PART 1: PSYCHOLOGY OF INDIVIDUAL DIFFERENCES

Docente(s) / Lecturer(s) Pei-Chun Shih Ma

Departamento de / Department of Psicología Biológica y de la Salud

Facultad / Faculty Psicología

Despacho - Módulo / Office - Module 42 -2

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Página web/Website:

Horario de atención al alumnado/Office hours: to agree, by appointment by email

PART 2: EVOLUTION, GENETICS AND ETHOLOGY

Docente(s) / Lecturer(s) Carmen Fernández Montraveta

Departamento de / Departamento de Psicología Biológica y de la Salud

Facultad / Facultad de Psicología

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Página web/Website: <https://moodle.uam.es>

Horario de atención al alumnado/Office hours: to agree, by appointment by email

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1.11.- Objetivos del curso / Course objectives

CG1 - Graduates will get and understand the knowledge that defines Psychology as a scientific discipline, including its theories, methods and areas of application, at the level supported by advanced textbooks, including knowledge from the vanguard of this field of study.

CB1 - Students will demonstrate to possess and understand knowledge in an area of study that starting from the basis of general secondary education is found at a level supported by advanced textbooks, including knowledge coming from the forefront of this field of study.

CE1 - Know the different theoretical models of Psychology and be able to critically assess their contributions and limitations.

CE13 - Knowing how to search relevant information sources in Psychology.

CE14 - Be able to use information sources, with ability for critical analysis and synthesis.

CE20 - Be able to work as a team, adopting cooperation strategies for the planning and execution of tasks.

CE21 - Be able to argue a position, through a critical and self-critical attitude.

CM1 - Understand, at a basic level, the main approaches (ontogenetic, phylogenetic and psychosocial) to the study of behaviour and mental activity, in their theoretical bases and related areas of intervention.

CM9 - Be able to search and select specialized information from different sources (printed, computerized databases, etc.).

CM10 - Be able to cite academic and scientific documents using the formal criteria established by the APA for the citation of academic and scientific documents.

CM12 - Be able to teamworking.

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1.12.- Contenidos del programa / Course contents

PART 1: Psychology of Individual Differences

Introduction: Definition. Theory, Research and Application.

Unit 1: The Nature and Structure of Human Intelligence.

Unit 2: Theory and Measurement of Personality Traits.

Unit 3: Cognitive Basis of Individual Differences.

Unit 4: Biological Basis of Individual Differences.

PART 2: Evolution, Genetics and Ethology

Unit 1: The biological approach in Psychology.

The role of Biology in behavioral sciences. Conceptions and misconceptions about Biology. Levels of analysis and levels of explanation in Biology: proximate and ultimate causes.

Unit 2. The origins of diversity: Genes, Development and Environment.

Qualitative and quantitative genetics. Genotypes, phenotypes and environments. Origins of diversity during development: regulation of gene expression. Epigenetics and pleiotropy. The role of the environment during development: reaction norms and phenotypic plasticity. Behaviour genetics: the concept of heritability.

Unit 3: The origins of diversity: Evolutionary biology

Phylogeny and taxonomy: the species concept. Biological evolution Agents of evolutionary change: natural selection. Sexual selection and kin selection. Biological fitness. Adaptation. Evolution of polymorphisms: Game Theory and Evolutionary Stable Strategies. The comparative analysis: homologies and homoplasies. Human phylogeny. Controversies around the evolutionary synthesis.

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1.13.- Referencias del consulta / Course Bibliography

PART 1: Psychology of Individual Differences

- Butcher, J.N. (Ed.). (2009). *Oxford Handbook of Personality Assessment*. Oxford University Press.
- Chamorro-Premuzic, T., von Stumm, S., & Furnham, A. (Eds.) (2011). *The Wiley-Blackwell Handbook of Individual Differences*. John Wiley & Sons.
- Hunt, E. (2010). *Human intelligence*. Cambridge University Press.
- John, O.P., Robins, R.W., & Pervin, L.A. (Eds.) (2008). *Handbook of Personality: Theory and Research* (Third Edition). The Guilford Press.

PART 2: Evolution, Genetics and Ethology

- Boyd, R.; Silk, J.B. (2000). *How Humans Evolved*. New York: W. W. Norton.
- Colmenares Gil, F. (2015). *Fundamentos de Psicobiología*. Madrid: Editorial Síntesis.
- Fernández-Montraveta, C., Fidalgo de las Heras, A. y Rodríguez Pérez, C. (2012). *Manual de Prácticas de Evolución, Genética y Etología. Introducción a la Psicología II*. Madrid: Ediciones de la Universidad Autónoma de Madrid.
- González Candela, F. (2009) *La evolución: de Darwin al genoma*. Valencia: Publicaciones de la Universidad de Valencia.
- Gould, S. J. (1977). *Ontogeny and Phylogeny*. Cambridge, Massachusetts: Belknap Press.
- Gould, S. J. (1996). *The mismeasure of man*. New York, N.Y.: Norton.
- Maynard Smith, J. (1998). *Evolutionary Genetics*. Oxford: Oxford Univ. Press.
- Lewontin, R. C. (2000). *Gene, organism and environment*. Cambridge, Massachusetts: Harvard University Press.
- Plomin, R., DeFries, J. C., Knopik, V. S., & Neiderhiser, J. (2013). *Behavioral genetics*. (6th ed.) New York: Worth Publishers.

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2.- Métodos Docentes / Teaching methodology

PART 1: Psychology of Individual Differences

Theoretical sessions: Master classes in the regular classroom.

Practical classes: Different activities in the regular classroom or the computers room.

Tutoring sessions: Readings discussion and seminars preparation in small groups.

Seminars: Collaborative learning activities in regular classroom.

Online activities in Moodle.

PART 2: Evolution, Genetics and Ethology

Theoretical sessions:

Master classes, taught in the regular classroom to the entire group.

Seminar, including both reading and discussing materials in working groups as well as participation in debates in the regular classroom.

Conference, given to all the groups.

Practical classes, taught in the “Laboratorio de Neurociencia”, “Aulas de informática” or in the field.

Practice 1. Population genetics and evolution (Laboratorio de Neurociencia).

Practice 2. Human taxonomy and phylogeny.

Activity 1. Non-human primates (Field, Zoo de Madrid)

Activity 2. The fossil record (Laboratorio de Neurociencia and Aula de informática).

Activity 3. Human phylogeny (Field, Yacimientos de Atapuerca and Museo de la Evolución Humana).

Programmed tutoring, aimed at evaluating skill acquisition and facilitating the development of practical activities.

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3.- Tiempo de trabajo del Estudiante / Student workload

PART 1. PSYCHOLOGY OF INDIVIDUAL DIFFERENCES

		Nº de horas	Porcentaje
Face to face	Theoretical sessions	14 h	40%
	Practical classes	5 h	
	Tutoring sessions	4 h	
	Seminars	6 h	
	Final assessment	1 h	
Student work	Practical assignments	10 h	60%
	Readings	5 h	
	Seminar preparation	5 h	
	Online activities	10 h	
	Assessment preparation	15 h	
Total student load : 25 hour x 6 ECTS		75 h	

PART 2. EVOLUTION, GENETICS AND ETHOLOGY

		Hours	Percentage
Face to face	Theoretical sessions	12h (40%)	40%
	Practical sessions	10h (33,3%)	
	Conference	2h (6,7%)	
	Tutorials	2h (6,7%)	
	Seminar	2h (6,7%)	
	Final assessment	2h (6,7%)	
Student workl	Practical assignments	10h (22,2%)	60%
	Seminar preparation	10h (22,2%)	
	Readings	10h (22,2%)	
	Assessment preparation	15h (33,3%)	
Total student load: 25 hour x 6 ECTS		75 h	

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4.- Métodos de evaluación y porcentaje en la calificación final / Evaluation procedures and weight of components in the final grade

The final grade is computed as the sum of the scores obtained in both parts, so each part accounts for 50% of the final grade. Passing the subject requires having obtained a score equal to or greater than 2.5 points in each of the two parts. In case this requisite is only achieved in one part, the final grade will not be higher than 4.9 points (ordinary call). The score obtained in the approved block will be retained in the extraordinary call, and the student will only have to take the exam of the failed part.

The final test consists of 50 multiple-choice questions (25 per part) on theory and practical contents, and its evaluation corresponds to 60% of the final grade. The duration of the test will be one hour per part. The remaining 40% corresponds to the other activities developed during the course (practices, seminars and conferences).

The grade will be 'not evaluated' when the exam has not been taken, even though the student has carried out the proposed activities (seminar, practices, conferences and tutorials). The scores obtained in these activities will be kept for the extraordinary call.

IMPORTANT WARNING

In any of the activities of the subject, copying or plagiarizing existing works will be considered grounds for suspension in the current call. Legally speaking, plagiarism will be considered the literal or extensive copy of another work and / or information source (books, magazines, websites), even though a generic reference is made to the original source.

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5.- Cronograma / Course calendar

Week	Content	Student face to face hours	Student work
1	Psychology of Individual Differences	3	6
2	Psychology of Individual Differences	3	6
3	Psychology of Individual Differences	4	9
4	Psychology of Individual Differences	2	6
5	Psychology of Individual Differences	3	6
6	Psychology of Individual Differences	4	9
7	Psychology of Individual Differences	3	5
8	Evolution, Genetics and Ethology. Theory and practices	3	5
9	Evolution, Genetics and Ethology. Theory and practices	3	5
10	Evolution, Genetics and Ethology. Theory and practices	5	5
11	Evolution, Genetics and Ethology. Theory and practices	3	5
12	Evolution, Genetics and Ethology. Theory and practices	3	5

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Week	Content	Student face to face hours	Student work
13	Evolution, Genetics and Ethology. Theory and practices	3	5
14	Evolution, Genetics and Ethology. Theory and practices	5	5
15	Conference	2	5

* This schedule is provisional and may be altered during the course