



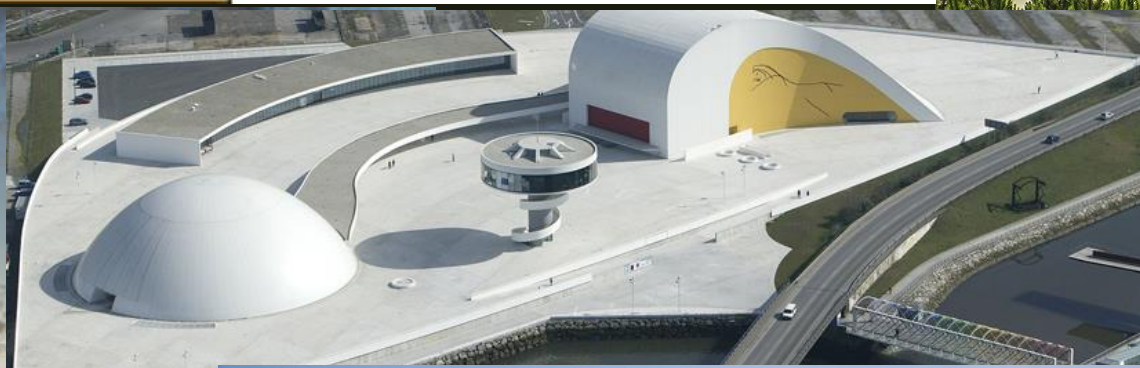
INITIAL & CONTINUOUS TEACHER TRAINING

in the University of Oviedo

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Universidad de Oviedo



Some facts from our University

Established in 1608

(10th oldest in Spain)

Sole university in Asturias

(1 million inhabitants)

21000 students

(1800/1800/1200)

1900 professors

1000 researchers

500 administrative staff

**Selected from 2009 as
International Excellence Campus
by Spanish Government**

**Autonomous Public Institution
85% sustained by public funds
Conceived as a public service**

**7 campuses
in 3 different cities
(19 faculties, 38 departments)**

Study programs:

60 Bachelor

60 Master

26 Doctoral

University Extension

Organization Structure

INIE

Institute of Innovation and Educational Research

C1N

Innovation Center



Universidad de Oviedo
Universidá d'Uviéu
University of Oviedo

Instituto de Investigación e Innovación Educativa (INIE)

Edificio de Servicios Múltiples, 1ª planta.
Campus de Humanidades
C/ Amparo Pedregal, s/n 33011- Oviedo
(+34) 985 10 50 08
inie@uniovi.es

Presentación Investigación Formación Innovación Aula Abierta Contacto

Instituto de Investigación e Innovación Educativa (INIE)



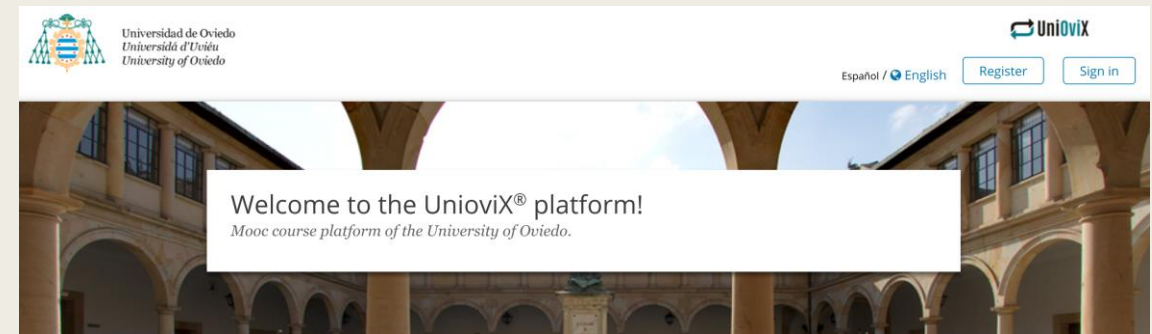
Helpdesk | Español | English

C1N

CENTRO1NNOVACIÓN
CENTRO1NNOVACIÓN

Universidad de Oviedo
CENTRO DE INNOVACIÓN
CAMPUS DE MIERES

LINKS NEWS



Universidad de Oviedo
Universidá d'Uviéu
University of Oviedo

UnioviX

Español / English Register Sign in

Welcome to the UnioviX® platform!
Moc course platform of the University of Oviedo.

TRAINING DURING PH.D. STUDIES



Courses for Ph.D. Students

- Wide scope, but mainly focused on research
- Some courses related to teaching and/or ICT tools useful for teaching
- Mandatory to fulfill a certain number of courses (variable depending on the Doctoral Program)

Courses for Ph.D. Students

LATEX

Word processing,
presentations,
graphics, etc.

Data Analysis

R, SPSS, MAXQDA

Graphical design

INITIAL TEACHER TRAINING



Initial Teacher Training Access to profession



Reality: teaching needs in different departments often happen suddenly or there are no candidates fulfilling the requirements. This leads to direct hiring (professionals, Ph.D. Students, Secondary teachers, etc.) of people without previous training

Initial teacher training. Structure

Candidates

- Preference: Initial tenured teachers
- Ph.D. students with tenure tracks
- Recent Ph.D. Graduated with tenure tracks
- Recently hired tenured teachers

Characteristics

- Voluntary (in practice, almost mandatory)
- Non specific
- During the academic year (in parallel to classes)
- 10-20 hours/course
- Over 100 h → Special certification

Initial teacher training.

Examples of courses related to ICT

Analysis of
recorded classes

Clips, TV and
Social Networks
for
communication

Audiovisual
resources for
teaching &
learning

MOOC's:
introduction

Virtual Campus:
introduction

Lesson study

LATEX:
introduction

CONTINUOUS TEACHER TRAINING



Continuous teacher training

Characteristics

- Voluntary
- Non specific, but could be at request
- During the academic year (in parallel to classes)
- 5-20 hours/course (individual certification.
Common structure: 5h in person + 5h on virtual campus
- Institutional programs: English & Virtual Campus

Continuous teacher training.

Three Axes

Teaching

- Competence-based teaching
- Methodologies
- Assessment

Research

- Project management
- Scientific methodology
- Research dissemination

Virtual Campus

- Initiation and Advanced use of Moodle 2.6
- Online activities
- ICT tools for teaching and research

Continuous teacher training.

Undergraduate
bilingual
program

C1 English level

Requirements
for teachers

B2 English level + 2 specific courses

Continuous improvement (grammar,
communicative resources, corrective
pronunciation, etc.)

Continuous teacher training.

Online
program

Initiation + Advanced Virtual Campus courses

Continuous improvement (quality controls)

Requirements
for teachers

Modalities: semi-presential and fully on-line, but almost all the courses in presential teaching hold a virtual campus

Minimum requirements for the courses: forum, synchronous or asynchronous communication, questionnaires, videoconferences, self-assessment, etc.

1 undergraduate degree fully on-line.

Some facts about Virtual Campus at UNIOVI



Continuous teacher training.

Examples of courses related to ICT and Sciences

Students with special needs

Gamification

Creating inclusive digital materials

Onedrive and other corporative software

Qualitative data analysis: MAXQDA

Quantitative data analysis: R and SPSS

Flipped learning

Mathematics curriculum in Secondary School

Physics/Chemistry curriculum in Secondary School

Educational Data Analysis

University entrance exams in Maths & Science

Maple, Octave, MatLab, Latex, etc.

Other initiatives

OpenCourseWare

- About 6 new courses/year
- New own platform

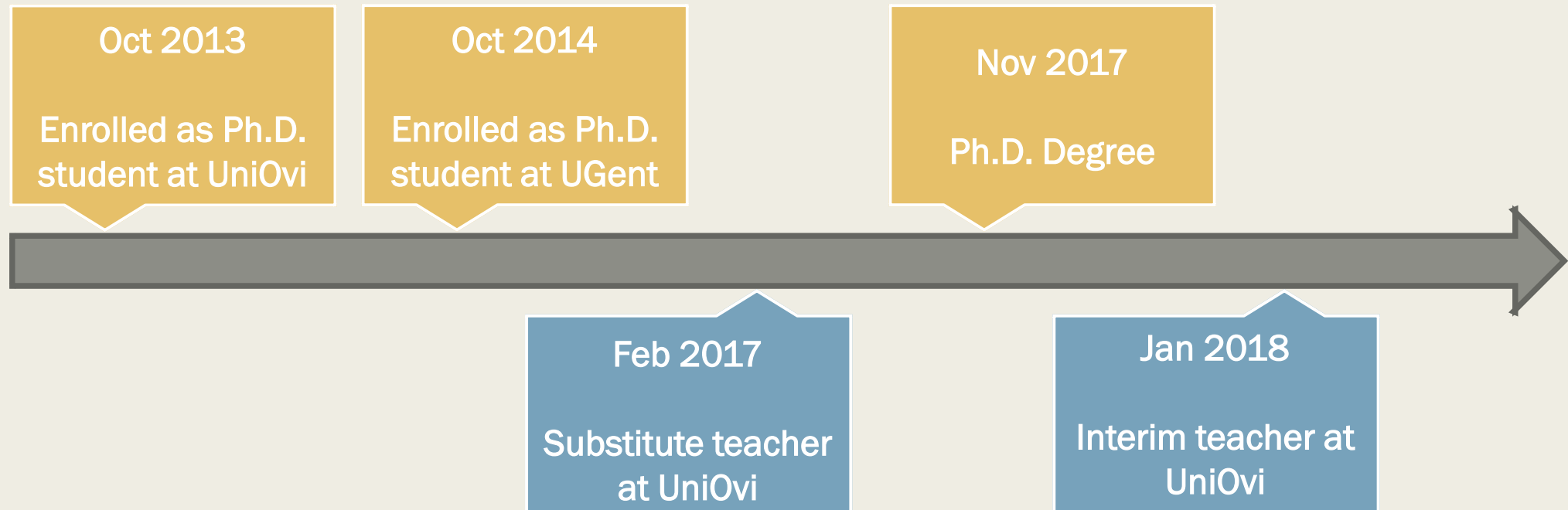
Innovation Projects

- About 130 projects/year
- Disciplinary or multidisciplinary (involving 270 courses, 500 teachers, 32 departments)
- Collaboration with other Universities

Innovation projects related to Mathematics and Natural Sciences 2018



The experience of an initial teacher at UniOvi



Initial training program at UniOvi

Qualitative data analysis. MAXQDA 2018. Introductory level

How to improve the dissemination and visibility of a scientist on the web. Building your digital identity

How to write and publish an article in an impact journal

How to use the virtual campus of the University of Oviedo. Basic level

Qualitative data analysis. MAXQDA 2018. Introductory level



The screenshot displays the MAXQDA 2018 software interface. The top menu bar includes: Inicio, Importar, Códigos, Variables, Análisis, Métodos mixtos, Herramientas visuales, Reportes, Stats, and MAXDictio. Below the menu is a toolbar with icons for importing documents, transcripts, and other data sources. The main workspace is divided into three panes:

- Sistema de documentos:** A tree view showing a hierarchy of documents. Under 'questionario', there are five 'participante' folders (1-5). Folder 'participante 1' is selected.
- Sistema de códigos:** A tree view showing a coding system. Under '1. Retroalimentación', there are sub-categories like '1.1 Perspectiva', '1.2 Nivel', and '1.2.4 Persona'. The '1.2.4 Persona' code is selected, and a vertical bar of yellow squares indicates its application across documents.
- Visualizador de documento: participante 1:** A text viewer showing the content of a document. The text is organized into sections: 'Introducción del doc...', 'Desarrollo de particip...', and 'Desarrollo del docent...'. The text includes numbered paragraphs and a highlighted sentence: "1. Animaría a los alumnos porque muchos han acertado." Below the text is a 'Segmentos recuperados' pane.

The bottom status bar shows search results for 'Búsqueda sencilla de codificaciones (códigos combinados por 'O')'.

How to use the virtual campus of the University of Oviedo. Basic level

The screenshot displays the Uniovi Virtual website interface. At the top left, the logo for Uniovi Virtual (Universidad de Oviedo) is shown, along with the language setting 'Español - Internacional (es)'. The user's name, LAURA MUÑIZ RODRIGUEZ, and a profile picture are visible in the top right corner.

Ayuda (Help) section includes:

- Blog del Campus Virtual ¡Nuevo!
- Atención al Usuario
- Tutorías online

Navegación (Navigation) section includes:

- Uniovi Virtual
 - Área personal
 - Mi perfil / Mensajería
 - Mis cursos

The main content area features two prominent announcements:

- CONTENIDOS LEGALES EN EL CAMPUS VIRTUAL**: An important notice from the Secretaría General, with a link for more information.
- Encuesta de satisfacción de estudiantes Campus Virtual**: A survey for student satisfaction, accompanied by an icon of a tablet with a red checkmark.

Mis cursos (My courses) section lists the following courses:




- Matemáticas y su Didáctica I (Grupos Castellano - Grado en Maestro en Educación Primaria)
- Practicum III (Grado en Maestro en Educación Primaria (Facultad de Formación del Profesorado y Educación))
- Practicum IV Mención Educación Especial (Grado en Maestro en Educación Primaria (Facultad de Formación del Profesorado y Educación))
- Practicum IV Mención Educación Física (Grado en Maestro en Educación Primaria (Facultad de Formación del Profesorado y Educación))

Menú principal (Main menu) section includes:

- Profesores: Cómo poner tu curso disponible para estudiantes
- Urkund, herramienta con licencia de uso para revisión del plagio

Calendario (Calendar) section shows the month of January 2019, with a grid of days from 1 to 31.

OpenCourseWare



[Inicio](#) [Cursos](#) [Info Legal](#) [RSS](#) [FAQ](#) [Ayuda](#) [Búsqueda Avanzada](#)

[página principal](#) ▶ [didáctica de la matemática](#)

Enlaces de sección

- Didáctica de la Matemática
 - Información General**
 - Programa
 - Guía de aprendizaje
 - Material de clase
 - Actividades, prácticas, proyectos y/o casos
 - Material de estudio y/o consulta
 - Evaluación
 - Calendario
 - Otros recursos
 - Profesores de la asignatura

Didáctica de la Matemática

Matemáticas y su didáctica II

Mathematics and Teaching Methods II

Información General

La asignatura de Matemáticas y su didáctica II es una asignatura Básica del Grado de Maestro en Educación Primaria. Es la segunda asignatura dedicada a Matemáticas de las 3 asignaturas Básicas de matemáticas que han de cursar los maestros en Educación Primaria. El contenido fundamental de esta asignatura es de Geometría. La asignatura se imparte en el segundo cuatrimestre del segundo curso del Grado y cuenta con 6 créditos repartidos en Clases Expositivas, Prácticas de Aula y Prácticas de Laboratorio.

General Information

The subject of Mathematics and Teaching Methods II is a Basic subject of the Degree of teacher in Primary Education of the University of Oviedo. It is the second subject devoted to Mathematics of the 3 Basic Mathematics subjects that must be studied by teachers in the Degree. The content of this subject is Geometry. The subject is taught in the second semester of the second year of the Degree and it has 6 credits divided into Expositive Classes, Classroom Practices and Laboratory Practices.



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