

Erasmus+ Joint Master Degree



UGR Universidad de Granada



Color in Science and Industry

www.master-colourscience.eu

Coordinador en la UGR:

Juan Luis Nieves (jnieves@ugr.es)

Color in Science and Industry

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- Two-years programme (120 ECTS)
- Totally taught in English
- 4 European universities:
 - University Jean Monnet (France)
 - University of Granada
 - University of Eastern Finland
 - Gjøvik University College (Norway)
- Mandatory international mobility



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- The 8th edition starts in september 2015
- From 2008 its name was CIMET (Color in Informatics and Media Technology) with the excellence label Erasmus Mundus.



<http://www.master-erasmusmundus-color.eu>

Master **CIMET**
COLOR IN INFORMATICS
AND MEDIA TECHNOLOGY

Logos for participating institutions: UGR (Universidad de Granada), University of Eastern Finland, and Université Jean Monnet Saint-Etienne.



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- Students from more than 40 countries.
- More than 300 applicants per year.
- 100% employability for the first five cohorts:
 - 2008-10
 - 2009-11
 - 2010-12
 - 2011-13
 - 2012-14
- Current cohorts: 2013-15 and 2014-2016

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- Selected by EL MUNDO among the best 250 master programmes in Spain in the last three editions of its ranking (2012, 2013 and 2014)



HISTÓRICO

RTE

E: Madrid / TELÉFONO: 914 521
PLAZAS: 25 / DURACIÓN: 1.500
horas

Un curso muy cuidado que se complementa con seminarios que actualizan los contenidos según los cambios que ofrece el mercado.

TÓRICO

E: Sevilla / TELÉFONO: 954 856
PLAZAS: 51 / DURACIÓN: 500 ho-

ras. Se imparte en la sede del Instituto Histórico. Las prácticas se imparten en la sede del Patronato de Turismo de Sevilla en Granada.

E: Granada / TELÉFONO: 958
PLAZAS: 32 / DURACIÓN: 120 ECTS

INFORMÁTICA ESPECIALIZADOS

1. INTELIGENCIA ARTIFICIAL

ESCUELA: U. Politécnica de Madrid / SEDE: Madrid / TELÉFONO: 913 367 447 / www.dia.flupm.es/masteria/ / PLAZAS: 45 / DURACIÓN: 1.500 horas / PRECIO: 3.939 euros

Ofrece la posibilidad de cursar el programa en inglés. Busca formar investigadores en un área de creciente importancia con un máster reconocido con Mención hacia la Excelencia.

2. COLOR IN INFORMATICS AND MEDIA TECHNOLOGY

ESCUELA: U. Granada / SEDE: Granada / TELÉFONO: 958 241 900 / www.master-erasmusmundus-color.eu/ / PLAZAS: 32 / DURACIÓN: 120 ECTS / PRECIO: 16.000 euros

El 90% del alumnado es extranjero gracias a su estatus de Máster Erasmus Mundus, lo que permite impartir los estudios, de dos cursos académicos de duración, en inglés.

3. TECNOLOGÍAS DE LA INFORMACIÓN GEOGRÁFICA

TECNOLOGÍAS

1. INGENIERÍA INFORMÁTICA

ESCUELA: U. Politécnica de Madrid / SEDE: Madrid / TELÉFONO: 913 366 447 / www.flupm.es/ / PLAZAS: 50 / DURACIÓN: 120 ECTS / PRECIO: Precios oficiales

Encaminado, para un gran número de alumnos, al doctorado, conforma unos estudios de cursos académicos impartidos en español e inglés que da, como resultado, 31 instancias internacionales que ofrecen prácticas.

2. GEOSPATIAL TECHNOLOGIES

ESCUELA: U. Jaume I / SEDE: Valencia / TLF: 964 36
www.mastergeotech.info/ / PLAZAS: 32 / DURACIÓN: 120 ECTS / PRECIO: Precios oficiales

Con la etiqueta de Erasmus Mundus se trata de un curso multidisciplinar gracias a su colaboración en matemáticas con Lisboa (Portugal) y en geociencia con Münster (Alemania).

3. CIENCIA Y TECNOLOGÍA INFORMÁTICA

ESCUELA: U. Carlos III / SEDE: Madrid / TLF: 916 24
www.master-colourscience.eu/ / PLAZAS: 25 / DURACIÓN: 120 ECTS

Coordinador en la UGR: J

Color in Science and Industry

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- To train the next generation of **highly-skilled industrial experts** in **applied colour science**, in various cutting-edge industries (photonics, optics, spectral imaging, multimedia technologies, computer graphics and vision) in a **diverse range of sectors** (including multimedia, health care, cosmetic, automotive, food-processing) bridging a talent gap in the industry where colour experts are in **high demand**. The 2 area of focus are spectral technologies and applied colour imaging.

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- 4 European universities (Spain, Finland, Norway and France)
- 4 Asian universities
 - Monash University Malaysia, (MUM) Malaysia
 - Chulalongkorn University, (CHULA) Thailand
 - Toyohashi University of Technology, (TUT) Japan
 - Institut Teknologi Bandung in Indonesia, (ITB) Indonesia
- 15 industrial leaders across the globe.



Year 1 – 2015- 2016	September 2015 - February 2016	semester 1	University Jean Monnet (UJM)	France
	February -July 2016	semester 2	University of Granada (UGR)	Spain
	July / August 2016	Summer break	Industrial partners	World
Year 2 – 2016- 2017	August 2016 - January 2017	semester 3 Spectral Technologies	University of Eastern Finland (UEF)	Finland
	August 2016 - January 2017	semester 3 Applied Colour Imaging	Gjovik University College (GUC)	Norway
	January - September 2017	semester 4 (Master thesis)	Industrial partners	World

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- Courses as:
 - Photonics and Optics, Applied Colour Science, Digital Image Fundamentals, Data Analysis and Statistics , Scientific Programming, Applied Advanced Colorimetry , Human Perception and Cognition, Digital Innovation and Entrepreneurship, Fundamentals of Spectral Science, Radiometry, Sources & Detectors, Image Acquisition and Reproduction, Fourier Optics , Advanced Colour Image Processing, Computer vision, Industrial and Biomedical Optics, Spectral Imaging Devices, Industrial Projects, Computational Colour, Display Technologies, Machine Vision, Pattern Recognition, Colour in medical imaging , Colour image quality and processing, Video processing, Content-based indexing and retrieval, Machine learning and Pattern recognition

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- Successful completion of the COSI Joint Master Degree will result in the award of **multiple Master degrees** (i.e. 4 national diplomas issued by 4 higher education institutions from 4 European countries and fully recognized in these respective countries)
- **Deadline for application: 27th february 2015**
 - CV (Europass format preferred)
 - Motivation letter (<1000 words)
 - Passport copy & birth certificate copy
 - 2 recommendation letters
 - English language diploma
 - Bachelor diploma or list of courses taken with grades

Type of costs covered by the Erasmus+ JMD scholarship

Amount granted to a scholarship holder from a Programme country

Participation costs

4,500 € per year

Travel costs

1,000 € per year

Subsistence costs

1,000 € per month

TOTAL for the entire duration (24 months) of COSI programme

35,000 €

A maximum of **16 Erasmus+ JMD scholarship** (depending of number and rank of successful applicants from Programme and Partner countries) **will be available for the 2015/2017 intake**. 12 of these JMD scholarship will be allocated to applicants from Partner countries and 4 to applicants from Programme countries.

Fee without scholarships:

- 4,500 € per academic year.

Consortium scholarships:

- Best-ranked applicants that are not selected for an Erasmus+ JMD scholarship will be awarded a half-fee waiver:
- Fee per year with the consortium scholarships: 2250 €

Other grants:

- ExploRa Sup scholarship, up to 380 EUR per month during semester 3 and/or 4;
- Erasmus+ student mobility for studies and traineeships, up to 120 EUR per month, during semester 3 and/or 4;
- During the Master Thesis (semester 4), placement in a company during semester 4 is generally paid
- Becas Talentia, Becas la Caixa, etc...

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Departamento de Óptica (despacho 102)

Edificio Mecenas