



Teaching Guide

| Identifying Data | | | | | 2022/23 | |
|---------------------|---|--------|---------------------------|---------|-----------|--|
| Subject (*) | Sustainable urban engineering | | | Code | 632G01064 | |
| Study programme | Grao en Enxeñaría de Obras Públicas | | | | | |
| Descriptors | | | | | | |
| Cycle | Period | Year | Type | Credits | | |
| Graduate | 1st four-month period | Third | Optional | 4.5 | | |
| Language | Spanish | | | | | |
| Teaching method | Face-to-face | | | | | |
| Prerequisites | | | | | | |
| Department | Enxeñaría Civil | | | | | |
| Coordinator | Cagiao Villar, Juan | E-mail | juan.cagiao.villar@udc.es | | | |
| Lecturers | Cagiao Villar, Juan | E-mail | juan.cagiao.villar@udc.es | | | |
| Web | www.lis.edu.es | | | | | |
| General description | Análisis de modelos sostenibles de desarrollo urbano y la influencia del cambio climático | | | | | |

Study programme competences

| Code | Study programme competences |
|------|---|
| A35 | Conocimiento de la influencia de las infraestructuras en la ordenación del territorio y para participar en la urbanización del espacio público urbano, tales como distribución de agua, saneamiento, gestión de residuos, sistema de transporte, tráfico, iluminación, etc. |

Learning outcomes

| Learning outcomes | | Study programme competences | |
|-------------------|--|-----------------------------|--|
| saber | | A35 | |

Contents

| Topic | Sub-topic |
|--|-----------|
| 1.- Estrategias urbanas | |
| 2.- Planeamiento de eco-ciudades | |
| 3.- Conservación y regeneración urbanas | |
| 4.- Casos de estudio | |
| 5.- Entornos inteligentes y tecnologías emergentes | |
| 6.- Energía sostenible urbana | |
| 7.- Residuos y su gestión | |
| 8.- Transporte | |
| 9.- La Comunidad y la ciudad. Calidad de vida. Cultura y herencias | |
| 10.- El riesgo en el planeamiento | |
| 11.- Seguridad | |

Planning

| Methodologies / tests | Competencies | Ordinary class hours | Student's personal work hours | Total hours |
|--------------------------------|--------------|----------------------|-------------------------------|-------------|
| Seminar | A35 | 102.5 | 0 | 102.5 |
| Guest lecture / keynote speech | A35 | 10 | 0 | 10 |
| Personalized attention | | 0 | | 0 |

(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.



Methodologies

| Methodologies | Description |
|--------------------------------|------------------|
| Seminar | Seminario |
| Guest lecture / keynote speech | Sesión magistral |

Personalized attention

| Methodologies | Description |
|---------------|---------------------|
| Seminar | Atención individual |

Assessment

| Methodologies | Competencies | Description | Qualification |
|--------------------------------|--------------|---|---------------|
| Seminar | A35 | Desarrollo de trabajos prácticos | 70 |
| Guest lecture / keynote speech | A35 | Material teórico necesario para el desarrollo de los trabajos | 30 |

Assessment comments

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| |
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Sources of information

| Basic | Complementary |
|-------|---------------|
| | |

Recommendations

Subjects that it is recommended to have taken before

Subjects that are recommended to be taken simultaneously

Subjects that continue the syllabus

Other comments

(*)The teaching guide is the document in which the URV publishes the information about all its courses. It is a public document and cannot be modified. Only in exceptional cases can it be revised by the competent agent or duly revised so that it is in line with current legislation.