

BASIC DETAILS:

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| Subject: | AULA ABIERTA: FORMACIÓN MULTIDISCIPLINAR EN ARQUITECTURA | | |
| Id.: | 30603 | | |
| Programme: | GRADUADO EN ARQUITECTURA. PLAN 2009 (BOE 21/03/2015) | | |
| Module: | DISEÑO URBANO | | |
| Subject type: | OPTATIVA | | |
| Year: | 5 | Teaching period: | Primer Cuatrimestre |
| Credits: | 3 | Total hours: | 75 |
| Classroom activities: | 30 | Individual study: | 45 |
| Main teaching language: | Castellano | Secondary teaching language: | Inglés |
| Lecturer: | ALVAREZ ATARES, FRANCISCO JAVIER (T) | Email: | fjalvarez@usj.es |

PRESENTATION:

This is a course designed to promote the exchange of professional experiences with other disciplines that improve the daily development of the professional activity, access to other profiles of complementary training or interest, know different professional action frameworks and develop collaborative links according to the promotion of the use of the professional skills of the architect, intervening in areas disconnected from the profession, fostering a professional enrichment of a universal nature oriented to the development of capacities for decision-making, conflict resolution and leadership and awakening in the students a spirit critical and non-conformist oriented towards the initiation in the world of research.

PROFESSIONAL COMPETENCES ACQUIRED IN THE SUBJECT:

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| General programme competences | G01 | Effectively use language skills to express views and formulate arguments both orally and in writing Ability to express opinions and propose arguments effectively both orally and in writing in student's native language and English. |
| | G02 | Ability to resolve problems and make decisions throughout their lifetime and choose professional and educational pathways independently. |
| | G03 | Ability for autonomous learning and self-criticism. |
| | G04 | Ability to transfer the knowledge acquired in practical work and skills to the field of work. |
| | G05 | Demonstrate creativity, independence of thought, autonomy. |
| | G12 | Knowledge of culture and society as a pillar of human reality. |
| Specific programme competences | E01 | Ability to: Apply the graphic procedures to the representation of spaces and objects (T); Design and represent the visual attributes of objects and master proportion and drawing techniques, including computer-based techniques (T). |
| | E02 | Knowledge adapted and applied to architecture and urbanism of: The spatial representation systems; Analysis and theory of form and laws of visual perception; The metric and projective geometry; Graphic survey techniques in all its phases, from drawing notes to scientific restitution. The principles of general mechanics, statics, the geometry of masses and vector and tensor fields; The principles of thermodynamics, acoustics and optics; The principles of fluid, hydraulics, electricity and electromagnetism mechanics; the basis of topography and mapping and terrain modification techniques. |
| Regulated profession competences | P01 | Ability to create architectural designs that satisfy both aesthetic and technical requirements. |
| | P02 | Adequate knowledge of the history and theories of architecture as well as the arts, technology and human sciences. |
| | P03 | Knowledge of the fine arts as an influence on the quality of architectural design. |
| | P04 | Adequate knowledge of urban design, planning and the skills involved in the planning process. |
| | P05 | Ability to understand the relationships between people and buildings and between them and their environment, and the need to relate buildings and the spaces between them depending on the needs and the human scale. |
| | P06 | Ability to understand the architectural profession and its role in society, in particular by developing projects that take social factors into account. |
| | P07 | Knowledge of methods of investigation and preparation of construction projects. |
| | P08 | Understand the problems of the structural design, construction and engineering associated with building projects. |

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| | P09 | Adequate knowledge of physical problems and the different technologies and of the function of buildings so as to provide them with internal conditions of comfort and protection against the climate conditions. |
| | P10 | Design capacity to meet the requirements of building users within the limits imposed by budget factors and building regulations. |
| | P11 | Adequate knowledge of the industries, organisations, regulations and procedures involved in translating design concepts into buildings and integrating plans into planning. |
| Learning outcomes | R01 | Access other additional training or interesting profiles. |
| | R02 | Foster the exchange of professional experiences with other disciplines to enrich the daily development of professional activity. |
| | R03 | Understand different professional performance frameworks and develop collaborative links under employment promotion of professional skills of the architect. |
| | R04 | Become involved in labour sectors unrelated to the profession by promoting the universal professional enrichment aimed at the development of decision-making, conflict resolution and leadership. |
| | R05 | Encourage a critical and nonconformist spirit for initiation into the world of research. |

PRE-REQUISITES:

NOTE: Students must attend to the course with the sole exception of repeating students who are also enrolled in other courses that take place simultaneously. Students in this situation must attend to the newly enrolled one yet they are compelled to keep their tasks updated and comply with any planned deadline. Additionally, they should inform the teacher about their situation, should they need to make any adjustments on their schedule.

SUBJECT PROGRAMME:

Subject contents:

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| 1 - Canvas |
| 2 - Analysis of people |
| 3 - Analysis of the idea |
| 4 - Market analysis |
| 5 - Product analysis |
| 6 - Client analysis |
| 7 - Economic analysis |

Subject planning could be modified due unforeseen circumstances (group performance, availability of resources, changes to academic calendar etc.) and should not, therefore, be considered to be definitive.

TEACHING AND LEARNING METHODOLOGIES AND ACTIVITIES:

Teaching and learning methodologies and activities applied:

This is an eminently practical subject in which the lectures and the theory of innovation will be combined throughout the semester, but the dynamics of most of the course will be a combination of studies / case studies and workshops with frequent individualized corrections and a final crit.

Another pillar of the subject will be the corrections between students oriented to the students to analyze and value the work among them. In order to encourage cooperative work and make an activity closer to reality, it will be encouraged that the work can be developed in groups depending on the total number of students.

Each type of sessions, work and activities are designed for the development of the competences that the student must acquire in the course. The most important recommendations made to students can be summarized in the following scheme:

_ Attendance to the theoretical sessions in a participatory and critical way.

_ Complement the topics covered in these sessions with the information offered in the bibliography or commented in class.

_ Use, at any time, tutorial sessions to resolve any doubt or problem.

_ Begin performing practical tasks without postponing them too early.

_ Resolve the difficulties encountered with colleagues.

_ Search, research, propose.

_ Use the PDU for this collaboration and teacher participation is considered important.

Student work load:

| Teaching mode | Teaching methods | Estimated hours |
|----------------------|---|-----------------|
| Classroom activities | Master classes | 7 |
| | Practical work, exercises, problem-solving etc. | 8 |
| | Coursework presentations | 7 |
| | Participation in seminars, conferences etc. | 4 |
| | Assessment activities | 2 |
| | Extra-curricular activities (visits, conferences, etc.) | 2 |
| | Asistencia a tutorías | 0 |
| Individual study | Individual coursework preparation | 8 |
| | Group coursework preparation | 20 |
| | Research work | 12 |
| | Recommended reading | 5 |
| Total hours: | | 75 |

ASSESSMENT SCHEME:

Calculation of final mark:

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|------------------|------------|----------|
| Final Work: | 25 | % |
| Work Units: | 50 | % |
| Business Angels: | 25 | % |
| TOTAL | 100 | % |

*Las observaciones específicas sobre el sistema de evaluación serán comunicadas por escrito a los alumnos al inicio de la materia.

BIBLIOGRAPHY AND DOCUMENTATION:

Basic bibliography:

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| STASIOWSKI, Frank. Técnicas de negociación para arquitectos, ingenieros e interioristas. Ed. Gustavo Gili, Colección "Proyecto y Gestión". 1997 |
| SEPÚLVEDA, P. ¿Qué debo saber de finanzas para crear mi empresa?. Ed. Marcombo, Boixareu Editores. 1992 |
| QUINTANA, Jose Javier. Rethinking Architecture. BSA Rethinking Architecture S.L. |
| MORALES NIETO, Enrique. Innovar o morir: como obtener resultados excepcionales con poca inversio?n?: innovacio?n, internacionalizacio?n, redes comerciales. Madrid: Starbook. 2010. |
| OSTERWALDER, Alexander. Generación de modelos de negocio. Deusto sello editorial de Centro Libros PAPP, S.L.U. Grupo Planeta. Barcelona. |
| BARRICART, Ecequiel. Tú eres Dios. Y tu marca personal tu religión. Barcelona: Alienta Editorial, 2014 |

Recommended bibliography:

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| OLLÉ, Montserrat; LUDEVID, M.: Como crear su propia empresa. Criterios claves de gestión. Ed. Marcombo, Boixareu Editores. 1990. |
| AMAT, Oriol: Emprender con éxito. Ed. Gestión 2000 |
| RUBIO, Ignacio: Emprender con éxito II. Ed. Gestión 2000. 1999. |
| FUNDACION COTEC para la Innovación Tecnológica. Comunicar la innovación: de la empresa a los medios. Madrid: Cotec. 2004 |
| MUÑIZ, Luis. Guía práctica para mejorar un plan de negocio: como diseñarlo, implantarlo y evaluarlo. Barcelona: Profit. 2010. |

Recommended websites:

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| Inknowation | http://inknowation.com/blog/ |
| Thinkwasabi (productividad para humanos) | http://thinkwasabi.com/ |
| Magazine HipoTesis | http://www.hipo-tesis.eu/ |
| RedFundamentos | http://www.redfundamentos.com/rita/es/normas/ |
| Year of open source | http://yearofopensource.net/ |
| Experiencias Arquitectónicas. Los otros arquitectos. | http://carloscamara.es/experiencias-arquitectonicas |
| Stepien y Barno | http://www.stepienybarno.es/blog/ |
| Klaustoon (cómic) | http://klaustoon.wordpress.com/ |
| Teamlabs | http://teamlabs.es/ |
| Openarch | http://www.openarch.cc/es |
| Fablab | http://fablab.es/ |
| Fablab BCN | http://fablabbcn.org/ |
| Fablab León | http://www.fablableon.org/ |