

**OFERTA DOCENTE 2008/2009
PROGRAMAS**

Nombre de Asignatura: <i>The meaning of Density in Urban Design</i>		
Código: 21107		
Créditos Teóricos: 3	Créditos Prácticos: 3	Créditos TOTAL: 6
Curso: Indiferente		
Tipo: Libre Elección		
Cuatrimestre:		
Departamento: Arquitectura		
Área:		

ESCUELA TÉCNICA SUPERIOR DE ARQUITECTURA DE SAN SEBASTIÁN
SAN SEBASTIAN FACULTY OF ARCHITECTURE
UNIVERSITY OF THE BASQUE COUNTRY – EHU/UPV

Subject/Title:OPTIONAL 2 - **URBANISTICS II – 4th year** 2008-2009
Professor/Lecturer: Javier Salazar Rückauer, architect and planner
Title: **"The meaning of Density in Urban Design"**
Duration: One semester at 1 hour per lecturing week =15 hours =**1,5 Credits**
Target : Architecture and Urban Planning students/graduates

This course focuses on the following key issues in urban design today:

- **The relations existing between Urban Design and Density** and its implications when applied to the density concept in urban legislation and planning regulations.
- To do case-study research based on existing/potencial **multiple urban aggregation and/or dispersión forms** given a certain 'density' value parameter and/or ratio.
- **To redefine the planning concept of 'urban density'**, in relation to current tri-dimensional approaches in Physics and Biology, as 'systemic variability' and/or structural 'porosity'.

The course will be divided in two parts, one including some practical individual exercises related to theory lectures(6 lecture hours), and the other one focusing on a urban/suburban residential project to be worked out in teams (9 hours practice workshop).

40% of the final mark will come out from the individual exercises/ 60% from the team project.

A) FIRST PART:

ANALYSIS OF 'DENSITY' AS AN EFFICACY-DETERMINATING FACTOR FOR URBAN STRUCTURES

1. **Territorial planning and the problem of density.** The spanish Urban Planning Laws of 1957 and 1976 and the density concept when translated to planning regulations.
2. **Design and structuration of 'urban tissues'**. 'Density' applied to the various different urban tipologies .Examples of 20th century architecture and urbanism.
3. **Density and time-distance mobility:** A key question in urban planning and design
4. **Long-term efficacy and cost-benefit analysis** of the various applications of 'density' to social-urban patterns, specially to residencial ones-Sustainable design

B) SECOND PART:

PRACTICAL APPLICATION TO A URBAN RESIDENTIAL PROJECT

1. **Functional/structural elements of análisis for a given area:** Contextual information. Relevant factors and variables related to external/exogenous factors.
2. Legislative and planning elements: **Land Management and Density and the Plan.** Infrastructures and obligatory planning standards for public facilities/services.
3. **Defining a Project:** Form and Structure,Tipologies, Financial Viability, Management

REFERENCE BIBLIOGRAPHY:

ASCHER , Francis: "Los nuevos principios del urbanismo" ... Madrid/ Alianza Editorial /2004
MARTIN, Leslie & MARCH, Lionel: ... "Urban Space and Structures" Cambridge /Univ.Press /1975
ESTEBAN I NOGUERA, J.: "Elementos de ordenación urbana" Barcelona/ETSAB-COAC /1981
Mc HARG, Ian : "Proyectar con la naturaleza" Barcelona/ Gustavo Gili /2000
AMENDOLA , Giandomenico : "La ciudad postmoderna" Madrid/Celeste Ediciones /2000

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TERÁN, Fernando:...“Planeamiento Urbano en la España Contemporánea”-Madrid/ Alianza Editorial /1982

- NOTES:**
- 1) *Practical exercises will be on Fridays , supported by and based on previous theory lectures*
 - 2) *All First Part exercises are individual, the team Project will be done in groups of 3 to 5.*
 - 3) *Each student will need to have completed his full set of exercises at the end of each term*
 - 4) *No delayed entries admitted. At the end each student will hand out his individual course book*