

TRAINING THE NEW ENGINEER IN THE EUROPE OF KNOWLEDGE AND CONVERGENCE. THE CASE OF THE SCHOOL OF DESIGN ENGINEERING IN VALENCIA



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BACKGROUND MEETINGS AND MILESTONES

Bologna 1999

Salamanca 2001

Prague 2001

Berlin 2003

Co-ordination, adaptation and convergence in Europe

http://europa.eu.int/comm/education/policies/educ/higher/higher_en.html

EUROPEAN AREA FOR HIGHER EDUCATION (E.A.H.E.)

- Need to improve the quality of higher education systems in Europe
- Aim to establish a common higher education framework for 2010
- Key objectives for European coordination:
 - Easily comparable degree system: ECTS and Diploma Supplement
 - University studies structured in 2 major cycles
 - European co-operation in educational quality control
 - Accreditation and validation of studies accross countries
 - Promotion of student and staff mobility



EUROPEAN AREA FOR RESEARCH (E.A.R.)

- Same objectives within research

HIGHER TECHNICAL SCHOOL OF DESIGN ENGINEERING (ETSID)

www.etsid.upv.es



ETSID aims building up the European convergence by means of
3 MAJOR FOUNDATIONS in the background of a
GLOBAL QUALITY CONTROL SYSTEM

INTERNATIONAL RELATIONS

- ❑ Participation in all major European projects: ERASMUS, ALFA, LEONARDO DA VINCI...
- ❑ Promotion of students and staff mobility schemes (about 350 students per year)
- ❑ Benefits for the students and the institution(s)
- ❑ Scientific and technological training in a global market
- ❑ Personal, social and cultural global development: cultural awareness, language practice, personal, professional and academic skills, etc.
- ❑ Support for many projects: "Lazarillo Project", parties, meetings, conferences...
- ❑ Involvement of students and staff

EDUCATIONAL INNOVATION

- ❑ Pedagogical use of new Information and Communication Technologies
- ❑ Adaptation to the European ECTS (Credit Transfer System)
- ❑ Student-centred pedagogy
- ❑ Active methodology: learning by doing
- ❑ Training based in professional skills and abilities
- ❑ Interdisciplinary coordination
- ❑ Training courses for teaching and administrative staff
- ❑ Global evaluation systems

RELATIONSHIP WITH INDUSTRY /BUSINESS

- ❑ Close contact with the industrial and business environment
- ❑ More than 700 students per year in industrial placements
- ❑ Reflect the demands of the labour market in the academic curriculum
- ❑ Skill-based training in preparation for the labour market
- ❑ Initiatives to put in contact the university with the industry, e.g. company presentations, conferences...
- ❑ Final Projects carried out by students in enterprises
- ❑ BANCAJA awards for innovative projects done by students in enterprises

INNOVATION > CONTINUOUS IMPROVEMENT AND ADAPTATION