

SCHOOL OF ADVANCED STUDIES- 2011 PhD Research topics	
Area of Studies	ARCHITECTURE, ENVIRONMENT AND DESIGN
Curriculum:	INDUSTRIAL DESIGN AND EXPERIMENTAL ARCHITECTURE
Learning objective	<p>Research of the "Industrial Design and Experimental Architecture" curriculum regards the <i>Technological Culture of Project</i> as a privileged place in which pondering upon scientific methods of searching and of operativeness which are able to support possible integrations between knowledge, cognitions and capacities deriving from different scientific fields (physical, human and social sciences) to control the complexity of the contemporary environmental system. Research is focused on projects of sustainable habitats characterized by high quality environmental performances under technical, formal and functional point of views.</p> <p>Title: <i>Technological innovation and environmental sustainability</i></p>
Supervisor: Dr. Lucia Pietroni	<p>Research topic n.1 : SUSTAINABLE DESIGN AND INNOVATION OF INDUSTRIAL PRODUCT</p> <ul style="list-style-type: none"> - criteria, methods and tools of eco-design; - innovative process of eco-efficient materials.
Supervisor: Dr. Maria Federica Ottone Prof. Massimo Perriccioli	<p>Research topic n. 2: ENVIRONMENTAL DESIGN FOR SOCIAL HOUSING IN THE CRITIC AREAS OF THE WORLD</p> <ul style="list-style-type: none"> - strategies of dwelling aimed at balanced and environmental consistent urban grew; - building strategies aimed at optimizing quality of living, cost effective and use of energy; - design to make: small scale architecture for social engagement
Supervisor: Prof. Giuseppe Losco	<p>Research topic n.3: DESIGN OF INNOVATIVE SYSTEMS AND COMPONENTS IN ENERGETIC EFFICIENCY BUILDINGS</p> <ul style="list-style-type: none"> - lightness building systems; - energetic efficiency envelopes.