

ACADEM 2013 - PROGRAMME
Ermoupolis, Syros
1/7/2013 - 11/7/2013

	Monday 1/7/2013	Tuesday 2/7/2013	Wednesday 3/7/2013	Thursday 4/7/2013	Friday 5/7/2013	Saturday 6/7/2013	Sunday 7/7/2013	Monday 8/7/2013	Tuesday 9/7/2013	Wednesday 10/7/2013	Thursday 11/7/2013							
09:00-10:00	Registration	Surface Models and Applications (G. Brunnett)	Sketch-Based Modeling for Virtual Clothing and Animation (A. Nasri)	Photorealistic Rendering (M. Stavrakis)	Visit to Neorio shipyard	Material Types and Material Selection (N. Zacharopoulos)	Visit to Industrial Museum and the City Hall of Ermoupolis	Introduction to Industrial Robots (E. Xidias)	Field Robotics: Applications and Challenges (G. Nikolakopoulos)	Computer-Aided Jewelry Design (I. Fudos)	Project Assignment: Presentations & Assessment (Ph. Azariadis, V. Moulianitis, S. Kyratzi, E. Xidias, P. Papanikos, N. Zacharopoulos, I. Fudos, G. Nikolakopoulos)							
10:00-10:30	Welcome speech and Introduction to Product Life Cycle and Concept design (Ph. Azariadis and P. Dramitinos)	Solid Modeling (S. Kyratzi)	Reverse Engineering and Digital Design Methods (Ph. Azariadis)	Concept Presentation Lab (M. Stavrakis and K. Bailas)				Industrial Product Design (P. Dramitinos)				Introduction to CAM (V. Moulianitis)	Robotic Arms (E. Xidias and V. Moulianitis)					
10:30-11:30									Break	Break			Break	Break	Break			
11:30-12:00	Break	Break	Break	Break	Lunch Break - Coffee	Lunch Break - Coffee	Lunch Break - Coffee	Autonomous Moving Vehicles (E. Xidias and V. Moulianitis)	Project Assignment: Production Planning (K. Bailas, V. Moulianitis, G. Nikolakopoulos)	Project Assignment: Finalization (V. Moulianitis, I. Fudos, E. Xidias, M. Stavrakis, N. Zacharopoulos, P. Papanikos)								
12:00 - 13:00	Introduction to CAGD - Parametric Curves (G. Brunnett)	Recursive Subdivision Surfaces for Computer-Aided Geometric Design (A. Nasri)	Introduction to CAE and Mechanics of Materials Principles (P. Papanikos)	Finite Element Method - Design Optimization (P. Papanikos)				Lunch Break - Coffee	Lunch Break - Coffee			Lunch Break - Coffee	Introduction to Numerical Control (V. Moulianitis)	Project Assignment: Production Planning (E. Xidias, V. Moulianitis, S. Kyratzi, Ph. Azariadis)				
13:00 - 14:00	Sketch based design and Design Intend (S. Kyratzi)	Introduction to Project Assignment(s) (Ph. Azariadis, P. Papanikos, E. Xidias, and P. Dramitinos)	Project Assignment - Specs & Modelling (Ph. Azariadis, S. Kyratzi, and P. Dramitinos)	Product Analysis Lab: Engineering and Optimization (P. Papanikos and K. Bailas)	Lunch Break - Coffee	Lunch Break - Coffee	Lunch Break - Coffee			Lunch Break - Coffee			Lunch Break - Coffee	Lunch Break - Coffee				
14:00 - 15:00	Lunch Break - Coffee	Lunch Break - Coffee						Lunch Break - Coffee	Lunch Break - Coffee			Product Analysis Lab: Material Selection (N. Zacharopoulos and M. Stavrakis)			Project Assignment: Concept & Analysis (N. Zacharopoulos, M. Stavrakis, K. Bailas and P. Dramitinos)	Product Production Lab: CNC Programming (V. Moulianitis and K. Bailas)	Rapid Prototyping (E. Xidias)	Product Production Lab: Rapid Prototyping (E. Xidias, K. Bailas, Ph. Azariadis)
15:00-16:00	3D Modelling Lab (S. Kyratzi and K. Bailas)	3D Modelling Lab (Ph. Azariadis, S. Kyratzi, and K. Bailas)						Lunch Break - Coffee	Lunch Break - Coffee									
16:00-17:00			Welcome Dinner	Goodbye Dinner														
17:00 - 18:00					Welcome Dinner	Goodbye Dinner												
21:00	Welcome Dinner	Goodbye Dinner																

Labels:

Product Modelling (CAD)
Product Analysis (CAE)
Product Manufacturing (CAM)
Product Life-Cycle
Labs