AU409
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Compulsory
BSc (1 st Cycle)
4
7 (Fall)
6
Dr Christos Themistos
By the end of the course, the students should be able to:
<ol> <li>Analyze and synthesize modern machines.</li> <li>Create mathematical models of modern machines. Simulate and analyze their behaviour. Design appropriate control systems.</li> <li>Integrate common types of system elements to yield mechatronic systems.</li> <li>Exploit the underlying similarities between the different physical fields (mechanical, electrical, hydraulic, and thermal) to create abstractions for analysis, synthesis and design of mechatronic systems.</li> <li>Solve problems regarding the analysis and control of the function of mechatronic systems using Matlab.</li> </ol>
6. Analyze existing mechatronic systems into their structural elements
Face-to-face
ME200,ME202,AU309,ME310,AU310   Co-requisites:   AU402
None
Intograted Floctro-Machanical Systems
Integrated Electro-Mechanical Systems

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instruction:		
Work placement(s): No	instruction:	English
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