

5.0 credits	45.0 h	1+2q
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Teacher(s) :	Fisette Paul ; Papalexandris Miltiadis ; Delannay Laurent (coordinator) ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	<p>The seminar is spread over the whole academic year. It is accessible to 2nd-cycle students with a graduating thesis in one of the pre-cited fields as well as graduate students.</p> <p>Supplementary to the attendance of seminars, students are invited to read a research paper that is provided, and to present (in public) a critical summary of the subject under consideration.</p> <p>Students may, if they wish, also participate to the GraSMech doctoral course (http://www.mech.kuleuven.ac.be/GraSMech).</p>
Aims :	<p>This activity aims at initiating students to scientific research and drawing their attention on a selection of recent developments in the following fields:</p> <ul style="list-style-type: none"> - non-linear continuum mechanics - fluid mechanics - solid mechanics - mechatronics - applied thermodynamics - combustion and energetics - heat transfer - numerical methods for the solution of partial differential equations <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Cycle and year of study :	> Master [120] in Mechanical Engineering > Master [120] in Electro-mechanical Engineering
Faculty or entity in charge:	MECA