

4.0 credits	30.0 h + 22.5 h	2q
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Teacher(s) :	Hagendorf Christian ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	1. General principals of classical thermodynamics 2. Statistical mechanics in equilibrium 3. Kinetic theory
Aims :	General principles of thermodynamics and of equilibrium statistical mechanics. Applications to various examples.  <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>
Other infos :	Prerequisites: General physics II, 3d statistical part Support: reference books: H.B. Callen, Thermodynamics and an introduction to thermostatics, 2d edition, Wiley, N.Y. 1987. Chap. 1-8, 12, 15-18; Colin J. Thomson, Mathematical Statistical Mechanics, Princeton University Press, 1979, Chap. 1; Kerson Huang, Statistical Mechanics, 2d edition, Wiley, N.Y. 1987.
Cycle and year of study :	<a href="#">&gt; Bachelor in Geography : General</a> <a href="#">&gt; Bachelor in Economics and Management</a> <a href="#">&gt; Bachelor in Mathematics</a> <a href="#">&gt; Bachelor in Engineering</a> <a href="#">&gt; Bachelor in Physics</a>
Faculty or entity in charge:	PHYS