

**Block view of the study programme**

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**Block 1**

Further Informations

**Compulsory Courses**

AERO0015-1	<i>Mechanical design of turbomachinery</i> (english language) - Loïc SALLES - [30h Proj.]	Q1	26	26	[+]	<b>5</b>
MECA0462-2	<i>Materials selection</i> (english language) - Anne MERTENS, Davide RUFFONI - [30h Proj., 1d FW]	Q1	26	26	[+]	<b>5</b>
MECA0058-1	<i>Fracture mechanics, damage and fatigue</i> (english language) - Ludovic NOELS - [75h Proj.]	Q1	30	10	[+]	<b>5</b>
MECA0464-1	<i>Large deformation of solids</i> (english language) - Romain BOMAN, JeanPhilippe PONTHOT - [60h Proj.]	Q1	26	26	[+]	<b>5</b>
ATFE0018-1	<i>Final work</i> (english language) - N...	Q2	-	-	-	<b>30</b>

**Optional courses**

Choose two of the following courses :

MECA0502-1	<i>Mechanics of composites</i> (english language) - Michaël BRUYNEEL	Q1	26	26	-	<b>5</b>
AERO0032-1	<i>Aeroelasticity and experimental aerodynamics</i> (english language) - Thomas ANDRIANNE, Grigorios DIMITRIADIS - Suppl : Thomas ANDRIANNE	Q1	26	26	-	<b>5</b>
MECA0062-1	<i>Vibration testing and experimental modal analysis</i> (english language) - - Suppl : Mathieu BERTHA - [30h Proj.]	Q1	26	26	[+]	<b>5</b>
AERO0004-1	<i>Turbulent Flows</i> (english language) - Vincent TERRAPON - [40h Proj.]	Q1	26	26	[+]	<b>5</b>
MECA0032-1	<i>Flow in turbomachines</i> (english language) - Koen HILLEWAERT - [60h Proj.]	Q1	26	26	[+]	<b>5</b>