

## Studies Plan

### Mineur : Technologies spatiales 2023-24

Minor : Spatial Technologies (.)

Courses			Exam Session	Exam	Credit	
Language	Code	Section	Teacher			
E	<b>Advanced satellite positioning</b> ENV-542 SIE		Sum	During the semester	4	
E	<b>Aerodynamics</b> ME-445 GM		Mulleners	Win	Written	4
F	<b>Astrophysics II</b> PHYS-323 PH		Jablonka	Win	Written	3
E	<b>Astrophysics IV : stellar and galactic dynamics</b> PHYS-401 PH		Revaz	Sum	Oral	4
E	<b>Concurrent engineering challenge</b> ENG-411 EL		Kneib Rodriguez Martinez	Sum	Oral	2
E	<b>Control systems + TP</b> ME-321 GM		Jones Salzmann	Win	Written	4
F	<b>Embedded Systems and Robotics</b> MICRO-315 MT		Mondada	Sum	During the semester	6
F	<b>Finite element method</b> ME-372 GM		Gallaire	Win	Written	3
F	<b>Finite element modelling and simulation</b> ME-373 GM		Boujo	Sum	During the semester	3
E	<b>Heat and mass transfer</b> ME-341 GM		Tagliabue	Sum	Written	4
E	<b>How to design for value for space applications</b> EE-522 EL		Ben Hamida	Sum	During the semester	2
E	<b>Image processing for Earth observation</b> ENV-540 SIE		Tuia	Win	During the semester	4
E	<b>Introduction to the design of space mechanisms</b> EE-580 EL		Feusier	Sum	Oral	2
E	<b>Lessons learned from the space exploration</b> EE-582 EL		Toussaint	Sum	During the semester	2
E	<b>Materials selection</b> MSE-474 MX		Michler Vaucher	Sum	Written	2
E	<b>Microprogrammed Embedded Systems</b> EE-310 EL		Atienza Alonso	Win	Oral	4
E	<b>New space economy</b> MGT-462 MTE		Röttgen	Win	During the semester	3
F	<b>Project in space technology</b> EE-589 EL		Profs divers	Sum Win	During the semester	12
F	<b>Radiation and antennas</b> EE-345 EL		Skrivervik	Win	Written	3
E	<b>Sensor orientation</b> ENV-548 SIE		Skaloud	Sum	During the semester	4
E	<b>Spacecraft design and system engineering</b> EE-584 EL		Rodriguez Martinez	Win	During the semester	4
E	<b>Space mission design and operations</b> EE-585 EL		Nicollier	Sum	Oral	2
E	<b>Space propulsion</b> ENG-510 EL		Jäger	Sum	Oral	3

<i>E</i>	<b>Tribology</b> <i>MSE-485</i>	<i>MX</i>	<i>Igual</i> <i>Muñoz</i> <i>Mischler</i>	<i>Win</i>	<i>During the 2</i> <i>semester</i>
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