

MASTER of SCIENCE in ACOUSTICS - LYON, France

Version 2016/01/17

Semester	Course	Professor in charge	Nb of hours	ECTS credits	Place of teaching
Semester 1 of M1 (S7)	Sound and Sound Propagation	Castelain Thomas	50	6	Campus LyonTech-La Doua
	Signal Processing and Speech Signal	Béra J-Christophe	50	6	
	Fundamentals of Mechanics	Biesheuvel Arie	60	6	
	Continuum Mechanics	Pirat Christophe	60	6	
	Foreign Language (French and/or English)	James Valérie	30	3	
	Communication and management	Volta Elyne	30	3	
Semester 2 of M1 (S8)	Numerical Methods for Acoustics	Dragna Didier	26	3	Campus LyonTech-La Doua
	Vibrations	Insera Claude	60	6	
	Acoustics and Music	Ollivier Sébastien	20	3	
	Seminars and scientific presentations	Béra J-Christophe		3	
	Structural Mechanics	Nicolle Stephane	48	3	
	Foreign Language (French and/or English)	James Valérie	30	3	
	Around Acoustics (1 to be chosen from among):	Béra J-Christophe		3	
	<i>Ultrasound Imaging</i>	Catheline Stefan	20		
	<i>Solid Mechanics - Finite Elements</i>	Gravouil Anthony	42		
	<i>Probability and Statistics</i>	Roux Bernard	20		
	<i>Adaptative Filtering</i>	Galland M-Annick	26		Campus of ECL
	<i>Materials for building and Construction</i>	Gourdon Emmanuel	24		Campus of ENTPE
	Project in Acoustics	Dragna Didier		3	in research lab
Internship in an acoustic team (1-3 months)	Béra J-Christophe		3	in research lab	
Semester 1 of M2 (S9)	Advanced Acoustics (course taught twice)	Roger Michel Robert Gilles Guyader Jean-Louis	32	6	Campus LyonTech-LaDoua or Campus of ECL
	Specialized Acoustics (3 to be chosen from among):	Bailly Christophe		9	
	<i>Structural Radiation</i>	Laulagnet B.	24		Campus LyonTech-LaDoua
	<i>Elastic Wave Propagation</i>	Gilles Bruno	24		Campus LyonTech-LaDoua
	<i>Building Acoustics</i>	Marquis-Favre C.	24		Campus of ENTPE
	<i>Aeroacoustics (course taught twice)</i>	Roger Michel	24		LyonTech-LaDoua or ECL
	<i>Sound Perception</i>	Parizet Etienne	24		Campus LyonTech-LaDoua
	Acoustic Applications (2 to be chosen from among):	Bailly Christophe		6	
	<i>Transport Noise</i>	Parizet Etienne	24		Campus LyonTech-LaDoua
	<i>Environmental Acoustics</i>	Juvé Daniel	24		Campus of ECL
	<i>Active Control of Noise and Vibrations</i>	Galland M-Annick	24		Campus of ECL
	<i>Ultrasound: Medical and Industrial Applications</i>	Gilles Bruno	24		Campus LyonTech-LaDoua
	<i>Ultrasound Imaging</i>	Cathelin Stefan	20		Campus LyonTech-LaDoua
	Optional course	Béra J-Christophe	30	3	LyonTech-LaDoua or ECL
	Foreign Language (French and/or English)		30	3	LyonTech-LaDoua or ECL
Propriété intellectuelle, emploi, démarche réseau		30	3	LyonTech-LaDoua or ECL	
S2 of M2 (S10)	R&D in Acoustics			30	in research lab or in industry
	Research Internship during 5 to 6 months in research lab or in industry	Bailly Christophe			