

<b>Id Apogée</b>	<b>Libelle court</b>	<b>Libelle</b>	<b>NEL</b>	<b>PEL</b>	<b>NbH CM</b>	<b>NbH TD</b>	<b>NbH TP</b>	<b>Min choix</b>	<b>Max choix</b>	<b>ECTS</b>	<b>Code CNU</b>	<b>Responsable(s)</b>	<b>Code antérieur</b>	<b>ECTS</b>	<b>Session 1</b>	<b>Coeff</b>	<b>Durée</b>	<b>Session 2</b>	<b>Coeff</b>	<b>Durée</b>
ACOU505	LSE:ACOU504	LSE:ACOU504	LSE										ACOU501							
<b>169S13</b>	<b>Semestre 9</b>	<b>Semestre 9</b>	<b>SEM</b>	<b>S9</b>						<b>30</b>			<b>169S01</b>							
<b>169S13</b>	<b>Semestre 1 M2</b>	<b>Semestre 1 M2</b>	<b>LSE</b>										<b>169S01</b>							
167UP01	Seminars	Seminars	UE	S8		10					60			0						
169UD01	3D sound	3D sound and sound field synthesis	UE	S9	12		8			2	60			2						
		Written exam	EPR												écrit E1	2	2h	écrit E2	2	2h
169UD02	Loudspeaker modelling	Loudspeaker modelling	UE	S9	14	10	6			2,5	60	<i>B Gazengel</i>		2,5						
		Written exam	EPR												écrit E1	1	2h	écrit E2	1	2h
		Practical exam													Report	1		Session 1 grade		
169UD03	Microphone modelling	Microphone modelling	UE	S9	12					1	60	<i>P Lotton</i>		1						
		Written exam	EPR												écrit E1	1	2h	écrit E2	1	2h
168UT01	Tools for job searching	Toolsfor job searching	UE	S9	11					1	60	<i>I Wear</i>		2						
		Oral exam	EPR												Oral	1	2h	No session 2		
169UD06	Mini and micro Transducers	Mini and micro Transducers	UE	S9	10					1	60	<i>B Gazengel</i>		1						
		Written exam	EPR												écrit E1	1	2h	écrit E2	1	2h
169UD07	Numerical Vibroacoustics	Numerical Vibroacoustics	UE	S9			36			3	60	<i>F Ablitzer</i>		3						
		Practical exam	EPR												TP P1	3	report	No session 2		
169UD08	Transducers measurements	Transducers measurements	UE	S9	12		15			3	60	<i>A Novak</i>		3						
		Written exam	EPR												écrit E1	2	2h	écrit E2	2	2h
169UD19	Signal III	Signal III	UE	S9		22	18			4	60	<i>B Gazengel</i>		4						
		Written exam	EPR												écrit E1	2	2h	écrit E2	3	2h
		Practical exam	EPR												TP P1	2	report	Session 1 grade		
	Materials for Loudspeakers	Materials for Loudspeakers	UE	S9	6		6			1	60	<i>B Gazengel</i>		1						
		Written exam	EPR												écrit E1	1	2h	écrit E2	1	2h
169UD47	Power electronics	Power electronics	UE	S9		14	7			2	63	<i>E Chauveau</i>	169UD10	2						
		Written exam	EPR												Ecrit E1	1	30 min	écrit E2	1	1h30
		Practical exam	EPR												TP P1	1	report	Session 1 grade		
169UD48	Advanced Transducers	Advanced Transducers Project	UE	S9			36			6	60	<i>P Lotton</i>	169UD11	6						
		Report + oral	EPR												Report + oral	6	30min	Session 1 grade		
169UD49	Radiation of transducers	Radiation of transducers	UE	S9	19		16			3,5		<i>B Gazengel</i>		3,5						
		Written exam	EPR												Ecrit E1	1	2h	écrit E2 or oral	1	2h
		Practical exam	EPR												TP P1	1	report	Session 1 grade		
<b>160S08</b>	<b>Semestre 10</b>	<b>Semestre 10</b>	<b>SEM</b>	<b>S0</b>																
<b>160S08</b>	<b>Semestre 2 M2</b>	<b>Semestre 2 M2</b>	<b>LSE</b>																	
160UD03	Numerical modelling	Numerical modelling of Transducers	UE	S0		40				4	60	<i>B Gazengel</i>		4						
		Practical exam	EPR												TP P1	4	2x2h	No session 2		
160UP03	Master's thesis (700h)	Master's thesis (700h)	UE	S0						26	60	<i>B Gazengel</i>		26						
		Report + oral	EPR												Report + oral	26	h + 20mn ques	No session 2		

Les semestres ne se compensent pas entre eux. Le M2 est validé si S3 ET S4 validés (note moyenne >= 10/20 à chaque semestre)