



ECL - September 3rd 2019

Master of Sciences in Acoustics – M2 year

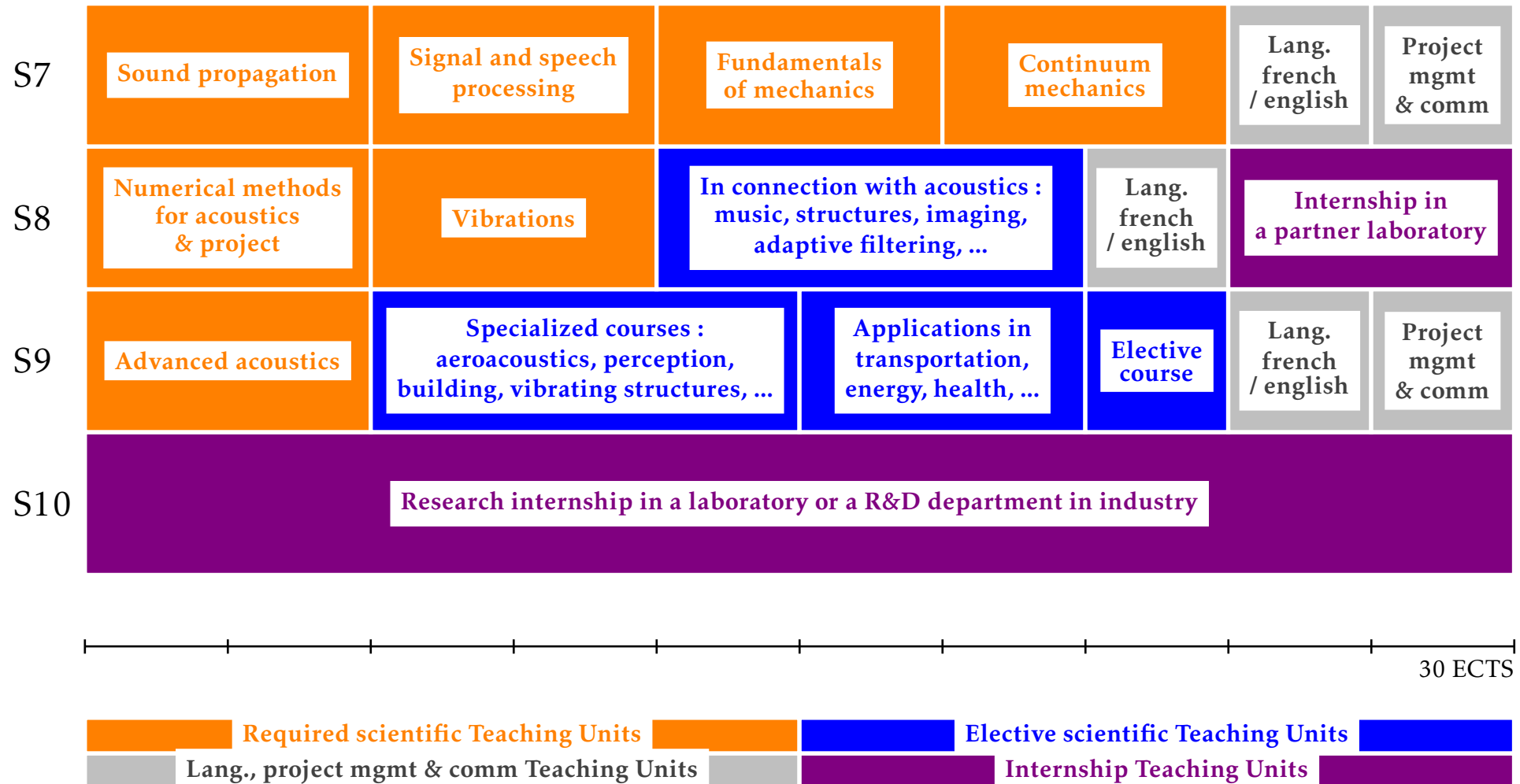
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<http://acoustique.ec-lyon.fr>
<http://master-acoustics.ec-lyon.fr>

- **You follow the M2 year of the MSc in Acoustics**

- as a student enrolled in the full second year program, coming from the M1 year or directly admitted to the second year program (case A)
- as an engineering student in 3rd year from ECL, INSA, ENTPE or Polytech-Lyon enrolled in a dual cursus for the M2 year (case B)

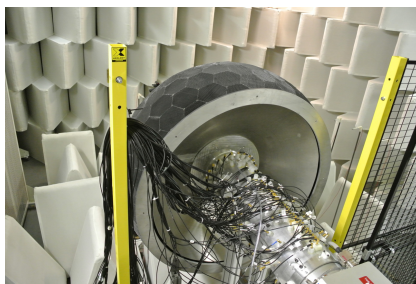
● Program outline



- A tailor-made course program suited for your professional project
- Some examples for the M2 year

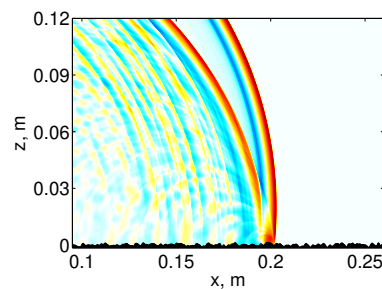
Aeroacoustics

Ad. acoustics •
 Aeroacoustics • Active control • Transportation noise • Fluid - structure interactions • Physics of turbulent flows • Numerical simulation of flows



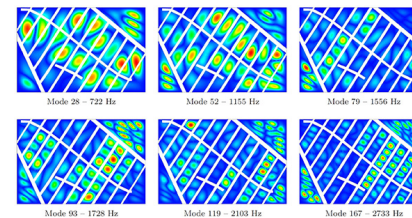
Eng. Acoustics

Ad. acoustics •
 Environmental acous. • Building acous. • Sound perception • Transportation noise • Fluid - structure interactions • Num. methods for acoustics



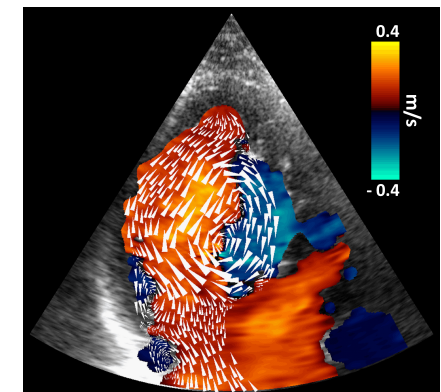
Vibration

Ad. acoustics • Active control • Transportation noise • Propagation of elastic waves • Nonlinear vibrations • Sound structure radiation • Fluid - structure interactions



Ultrasound

Advanced acoustics • Sound perception • Ultrasound imaging • Environmental acoustics • Ultrasound applications • Num. methods for acoustics • Active control



● **Program outline (cont.)**

- The optional courses, delivered from September to March
- A semester-long placement in an academic laboratory or in a research and development (R&D) unit in the industry, in France or abroad, from April to mid-September, 5 to 6-month training period

● An individual training path

- Student enrolled in the full second year program (case A) : your scientific cursus must be composed of **7 teaching units, including the common course Advanced acoustics.**
- Engineering student at ECL (case B) : your scientific cursus must be composed of **6 teaching units, including the common course Advanced acoustics.**

You can choose almost all your courses in M2 year according to your professional project, *e.g.* Aeroacoustics, Engineering Acoustics, Vibrations, Ultrasound, ...

Examples are provided in the file MScAcous-M2-ListCourses.pdf (including a list of specialized courses associated with this MSc)

but a complete list of courses is available here :

<http://www.ec-lyon.fr/en/academics/general-engineering>
(so-called **MoD** - from Oct. to Dec. and **MoS** - from Jan. to March)

- **An individual training path (cont.)**

All these informations can also be found here :
acoustique.ec-lyon.fr/masteracuk.php

All theoretical courses will start from Monday 30 September (MoD), except **Building Acoustics!!** (planning available on website)

French language courses (A2 level) : every friday morning 9h30–12h30 from October to December (room 216, teacher : Pr. Sarah Eliya)

You are welcome to the various seminars organized by ECL, INSA, ENTPE, Labs & CeLyA, doctoral schools ... and also PhD defenses

● ECL campus



● **Work to do and key dates**

- Send me your official e-mail address provided by your School at Lyon with “MScAcous-M2” as subject!

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- Next possible meeting in order to validate your selection of courses :
Thursday 5th @ 14h30 (room 105)