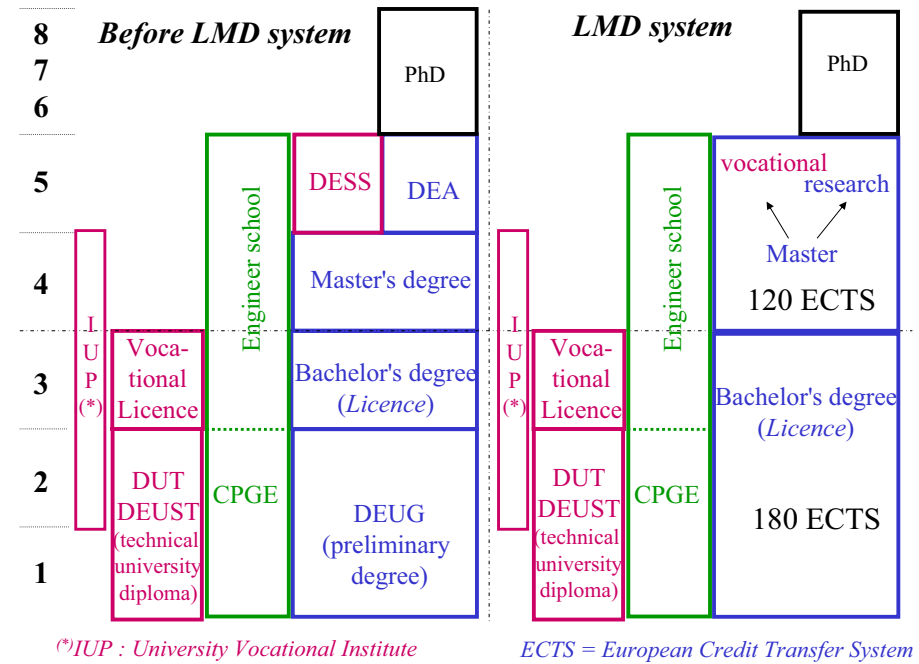


The L M D system

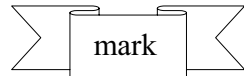
Bachelor's (Licence) *Master's (Master)* *PhD (Doctorat)*

with the help of

Michel Combarnous (University Bordeaux 1, President of the French Mechanical Association - AFM),
and *Michel Lebouché* (Head of the Scientific, Technic and Pedagogic Mission - French Ministry of Education)



ECTS : European Credit Transfer System



usual *volume of work* for the student

quality of the results obtained by the student



A student obtains the "credits" of a lecture, only if he obtains a good enough ECTS mark.



ECTS GRADING SCALE

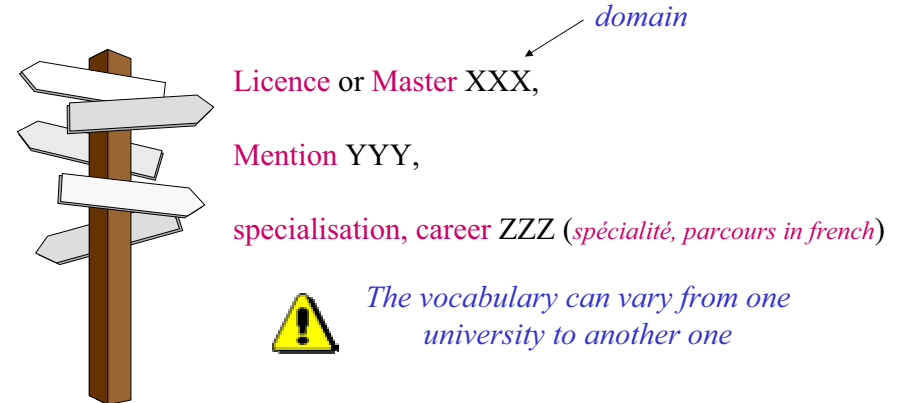
ECTS mark	Percentage of successful students normally achieving the grade	Comment	Definition
A	10 %	EXCELLENT	Outstanding performance with only minor errors
B	25 %	VERY GOOD	Above the average standard but with some errors
C	30 %	GOOD	Generally sound work with a number of notable errors
D	25 %	SATISFACTORY	Fair but with significant shortcomings
E	10 %	SUFFICIENT	Performance meets the minimum criteria
FX		FAIL	Some more work required before the credit can be awarded
F		FAIL	Considerable further work is required

http://europa.eu.int/comm/education/programmes/socrates/ects_en.html

THE LMD SYSTEM: TRANSITIONAL PHASES

- First setting-up in October 2003 (some precursors shortly before), gradual (year after year) or massive (for instance Univ. Bordeaux 1), *in the framework of four-year contracts.*
- Provisionally, the former diploma DEUG (1st and 2nd years of the Bachelor's degree), and "Maîtrises" (1st year of the Master's degree) are maintained.
- Medicine: for the moment, nothing has changed.
- The institutions supervised by other ministries (architecture, agriculture, industry) are involved in the reform.

THE VOCABULARY



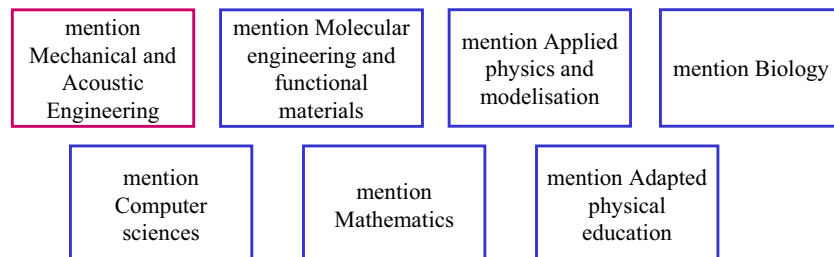
Examples of a small university (Univ. du Maine, Le Mans) and of a big university (Paris VI)

SMALL UNIVERSITY: Université du Maine (1/2)



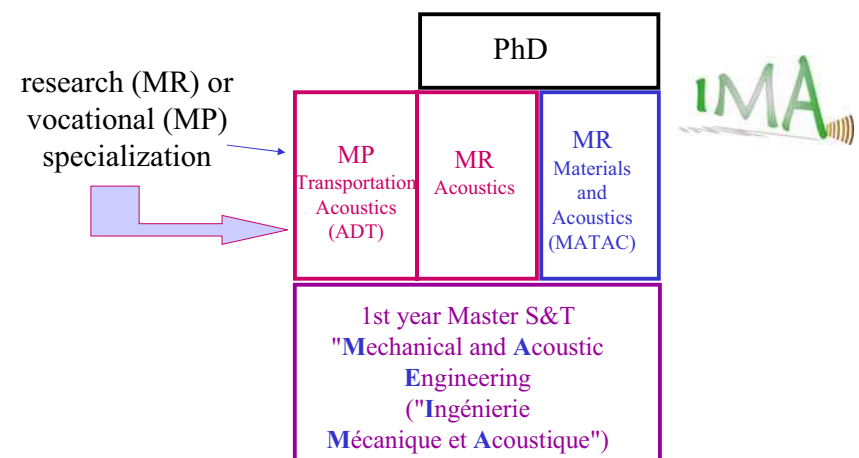
➔ 5 **domains** including the Sciences and Technologies domain

➔ 5 Masters, including the Sciences and Technologies Master which includes **7 mentions**



(*)UFR: University department

SMALL UNIVERSITY: Université du Maine (2/2)

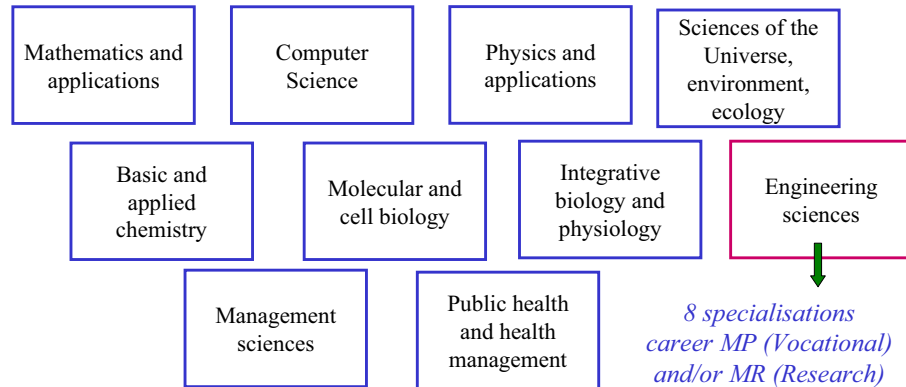


BIG UNIVERSITY: PARIS VI

13 UFR(*): 9 scientific UFR, 4 medical UFR + internal Units

→ **only 1 master:** Sciences and Technologies

→ **10 mentions** → **60 specialisations**



(*UFR : University department

Masters in France: a first assesment

- End of May 2005: more than 80 % of the "masters" proposed by the institutions has been evaluated (four-year contracts, the remaining concerns Paris and the surrounding departments) (a final assesment at the end of September)
- Except Paris and the surrounding departments,
 - ✓ **1751 mentions** (1020 different titles)
 - ✓ including 5841 specialisations (3083 vocational, 2758 research) are accredited (by the Ministry of Education)
- The specialisations, in particular "research", are often involved in several institutions, via co-habilitations.

Distribution of MASTERS' mentions between the different fields (linked to the scientific boards of the French Ministry of Education)

● Mathematics (4,6 %)	80
● Physics (3,5 %)	62
● Sciences of Earth, Universe and Space (3,6 %)	63
● Chemistry (4,3 %)	75
● Biology, Medicine, Health (8 %) (except strictly medical studies)	140
● Human sciences, Humanities (25,2 %)	441
● Social sciences (30 %)	525
● Engineering sciences (6,5 %)	114
● Information and communication technology sciences (9,8 %)	172
● Agronomical and ecological sciences (4,5 %)	79

THE PhD DEGREE COURSE

- The PhD degree is prepared over a 3-year period following a research master (nothing has changed).
- The laboratories and "doctoral groups" are put together in doctoral schools (*écoles doctorales in french*). Size : 50 PhD/year for instance.
- These doctoral schools propose some lectures to 1st-year and 2nd-year PhD-students. They must pass 4 lectures (about 25 hours each). They can validate lectures in other doctoral schools.