



1. The Education reform :

Through its involvement in taking on charge the requirements development which are imposed on a country in the process of change, the higher education sector has launched a teaching reform that aims to allow the university to take a central role

Between, in aside the aspirations of the citizens, especially our youth, to build a future project enjoying a higher quality of training that provide them the skills needed for successful integration into the labor market.

and, of on the other side, meeting the needs of the socio-economic sector in its search for competitiveness and performance by providing it with a quality human resource able to innovate with creative mind and taking an active part in the development of research and development (R&D).

These motivations led to the adoption, like the majority of neighboring countries, the universal higher education system: License - Master - Doctorate (LMD) system.

1.1. LMD reform

In terms of teaching, the LMD system is characterized by:

- New educational structure,
- Reorganization of teaching,
- Evaluation and certification of training offers,
- Innovative content of educational programs,

1.1.1. New educational structure:

The educational structure of the LMD (License-Master-Doctorate) system is simple. It offers better legibility of diplomas on the labor market. It is structured on three training cycles:

- A first cycle leading to a Bachelor's degree,
- A second cycle leading to a Master's degree,
- A third cycle leading to a Doctorate degree,

1.1.2. Reorganization of teaching,:

The Higher education are organized into semesters composed of educational unite (E.U.) the training is grouped into training field (13 Field), A field of training is a coherent structure covering several disciplines.

The trainings are proposed as training offers form which is divided into: Field - Sector – Specialty

The Teachings and training received are measured in credits and not in years of study:

- you must gather 180 credits for License graduation
- you must gather 120 credits for Master graduation

Credits are the unit of computation that measures a student's work during the semester (courses, Practical work, tutorial work, internship, End of study project, personal work).

The credits can be accumulated and transferred from one to another course

1.1.3. Evaluation and certification of training offers:

The training offer is built by a training team and proposed by the establishment as a specification

The specifications are subject to an evaluation and approval process:

- **Regionally** : expertise and evaluation by the Assessment Regional Commission, then validation by the Regional Conferences
- **National** :Validation and accreditation by the National Commission for Habilitation

2. Pedagogical programs

The content of educational programs must be designed to meet the various needs of society and the economy.

2.1. Creation of the training offer:

The reform introduces a new dynamic in the construction of higher education programs. In this approach, it is up to:

- The ministry to define the overall strategy for higher education and draw the guidelines for the plan of the national direction of higher education
- Higher education establishments to define and propose, as part of this strategy, their own training and research policy based on their skills as well as the data and potential of their environment
- It is for the regional evaluation commissions and the national habilitation commission to assess and validate the training offers and the habilitation for the higher education establishments to provide the corresponding teaching.

The higher education is conceived, first of all, in terms of academic objectives to meet university needs and / or professional objectives to meet the needs of the socio-economic sector. It then translates into teaching programs elaborated by the professor themselves, grouped in an training teams, with the mobilization of human, material and financial resources; all presented in tan training offers form.

- The Bachelor training offer has a vocation either "academic" or "professionalizing".

- The Master's training offers depend strongly to the university's research laboratories and are divided into two purposes: "academic" or "professionalizing".

3. Organization diagrams of License degree courses (Source: CNH)

Overall, the training for obtaining a bachelor's degree consists of three stages (Table 01). Depending on the objectives of the training (professional or academic), the value of teaching units must generally follow the indications mentioned in table (02).

Table 01: Modules Organization in Bachelor training

Semester 5	Semester 6	<u>Specialization in the course and the chosen option phase.</u>	Specific courses (80%) and common (20%) depending on the specialty
Semester 3	Semester 4	<u>the phase of deepening the basic knowledge of the chosen sector</u>	Specific courses (20%) and common (80%) depending on the specialty
Semester 1	Semester 2	<u>The phase of impregnation and adaptation to university life and discover the various training offers</u>	Common courses (100%)

Table 02 : teaching units value of a training course

Teaching units	Fundamental	Methodological	Transversal Discoveries
Credits per semester 1	60%	30%	10%

1 Number of hours per credit = 20 to 25 hours (one semester = 14 to 15 weeks)