

People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research
Mohamed Lamine Debaghine University -Setif2



جامعة محمد لمين دباغين سطيف 2
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Faculty of Letters and Languages
Department of French language and literature

Module plan

 **Information and Communication Technologies for Education (ICTE)**

 **Technologies de l'Information et de la Communication pour l'Enseignement (TICE)**



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This handout is intended for 1st year License students



Ce polycopié est destiné aux étudiants de 1ere année Licence

Pedagogical plan

- **Subject** : Information and Communication Technologies for Education (ICTE)
- **Field (level)** : 1st year License
- **Tutorial time volume** : 1h30 / Week
- **Coefficient** : 1
- **Credits** : 1
- **Assessment** : *Continuous assessment and attendance* = 5 Points, *Research work* = 5 Points, **Examination**: 10 Points.

Introduction

Information and Communication Technologies for Education (ICTE = ICT + Education) refers to the use of digital education Tools. We can also speak more simply of the digitization of education.

ICTE brings together a set of tools designed and used to produce, process, store, exchange, classify, find and read digital documents for teaching and learning purposes.

Understanding the functioning of ICTE tools makes it possible to know to what extent the characteristics specific to each tool influence the process of learning and digital education: why do we use a specific tool and not another? which element we need to use in each learning process step ? what are the advantages and usefulness of each tool ?

Module Goals And Learning Objectives

The objective of this module is to clarify the operating principle of information and communication technologies with a detailed presentation of its each digital learning and education tool.

For this, the objective of the course is:

- ➔ **Culture**: Understand the functioning of the different tools necessary for digital education, and identify the roles and interfaces of the different ICTE platforms.
- ➔ **Technique**: Manipulate basic recurring concepts in ICTE.
- ➔ **IT**: Acquire knowledge of the use of some office software.

Module Map

The main points covered in this module are:

- Introduction to the concept of ICTE
- The main E-learning tools and platforms
- Web Technology Techniques
- Office software (second semester)

Tutorial scheduling calendar

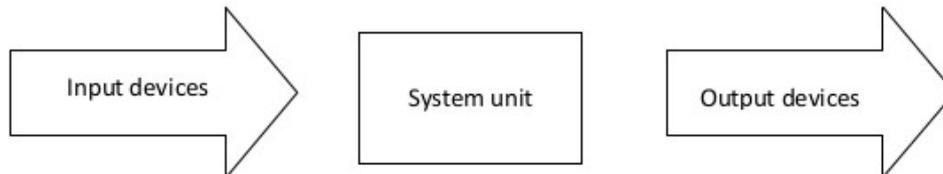
- Meeting session, introduction and Knowledge test : 01 Week
- ICT - Concept and Definition (Course) : 01 to 02 Weeks
- Series of exercises N01 : 01 Week
- Series of exercises N02 : 01 to 02 Weeks
- The main E-learning tools and platforms (Course) : 01 to 02 Weeks
- Series of exercises N03 : 01 Week
- Series of exercises N04 : 01 Week
- Web Technology Techniques (Course) : 01 to 02 Weeks
- Series of exercises N05 : 01 to 02 Weeks
- Research work and examination : 03 to 04 Weeks

Knowledge test

- 1) What is computer science ?
- 2) How does a computer work ?
- 3) Define the concept of ICT (Information and Communication Technologies) and ICTE (Information and Communication Technologies for Education)
- 4) What do you know about Content Management Systems (CMS), Learning Management Systems (LMS) and Massive Open Online Course (MOOC)?

Correction of the knowledge test

- 1) **Computing (information technology)** encompasses all the technology we use to collect, process, protect and store information. It refers to hardware, software (computer programs), and computer networks.
- 2) **Computer Working Principle:**



Data is entered into a computer through input devices, processed and stored in a system unit and displayed by the output device.

- 3) **ICT (Information and Communication Technologies)**. This concept involves the transfer and use of all kinds of information. ICTs constitute the foundation of the economy and a driver of social change in the 21st century. Distance is no longer a problem when it comes to accessing information; for example, working from home, distance learning, online banking, and e-government are now possible from anywhere with an internet connection and computing device.

ICTE (Information and Communication Technologies for Education) are an extension of ICT, it is a set of computer and multimedia tools and software (Texts, Images, Sound, Videos, etc.) which can be integrated into a course or training for online teaching, face-to-face teaching or hybrid teaching (online and face-to-face).

- 4) **A content management system (CMS)** is an application that is used to manage content, allowing multiple contributors to create, edit and publish. Content in a CMS is typically stored in a database and displayed in a presentation layer based on a set of templates like a website.

A learning management system is a software application for the administration, documentation, tracking, reporting, automation, and delivery of educational courses, training programs, materials or learning and development programs. The learning management system concept emerged directly from e-Learning.

A massive open online course (MOOC) or an open online course is an online course aimed at unlimited participation and open access via the Web. In addition to traditional course materials, such as filmed lectures, readings, and problem sets, many MOOCs provide interactive courses with user forums or social media discussions to support community interactions among students, professors, and teaching assistants, as well as immediate feedback to quick quizzes and assignments.