



Implementation of Innovative ICT Based Teaching & Learning Environments (related to **WP3**)

Erasmus+ Project “PHYSICS”

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KU Leuven Technologicampus Oostende*

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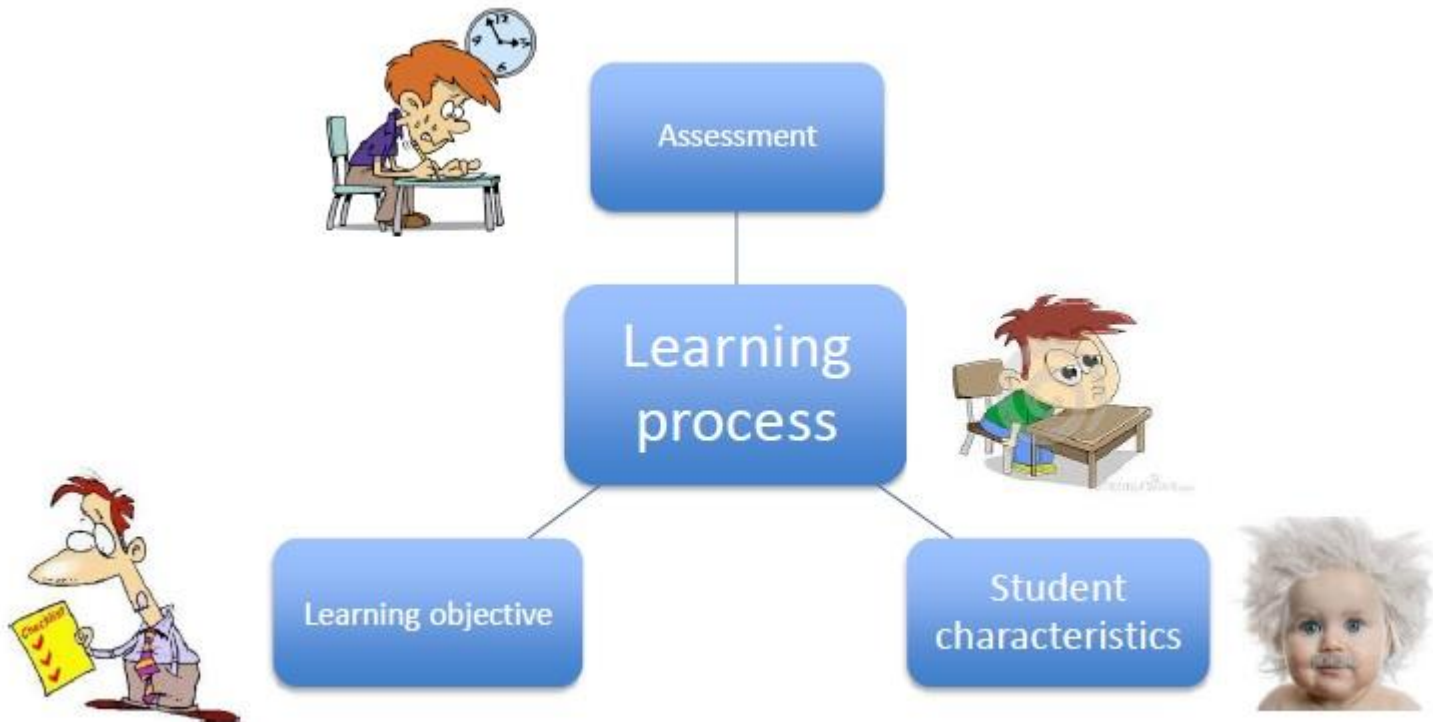
Main goal (as a reminder)

- Teaching and preparing students:
 - ✓ *To think and act as an academic skilled person*
 - ✓ *Preparing students, both for:*
 - *An academic and **research oriented** career*
 - *An **industry oriented** career*
- Taking in account:
 - ✓ *Transforming from “5 + 1” → “4 + 2” → Content of the e-books*
 - ✓ *Digital learning environment →*
Toledo or Moodle as a platform to “facilitate”

Main goal *(as a reminder)*

Embedding the learning process in a Learning Environment:

→ Model:



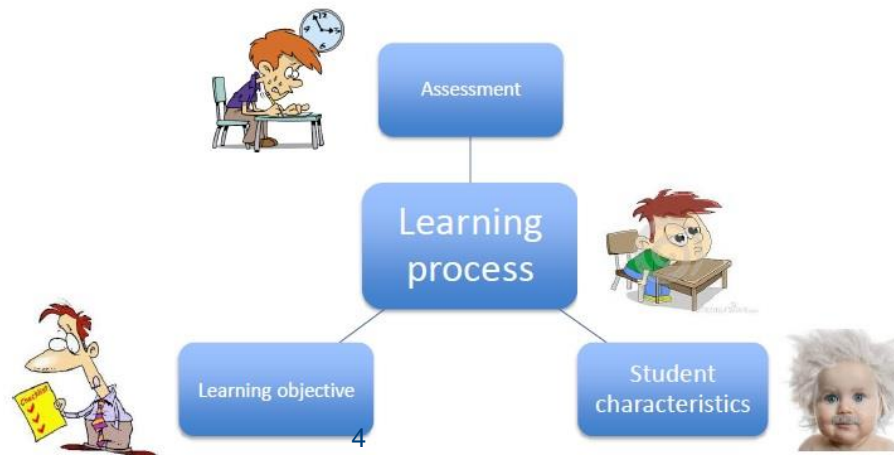
Main goal *(as a reminder)*

- The **learning objectives** for each course need to be formulated:
 - ✓ knowledge, attitudes, skills, ... to be reached
 - the teacher as well as the student need a clear objective, a clear reference
- The **student characteristics** are important:
 - ✓ prior knowledge, motivation, interests, age, ...
 - the teacher as well as the student need to know where to start from...
- The student needs to be **evaluated (assessment)**:
 - ✓ formative and summative, ... when, what, how, ...
 - The assessment needs to be representative in relation to the learning objectives

Main goal *(as a reminder)*

Digitizing the **content of courses** makes it possible to apply a digital learning platform, such as Toledo or Moodle, and to:

- ✓ Adjust and elaborate the course content
- ✓ **Structure and re-structure the content**, while adapting to
 - The learning outcomes
 - The students needs
 - The students' learning process



The use of Toledo

- In a **Toledo community**, a part of the course “Applied Physics” has been made.
- Let’s have a look... :
 - See: <https://toledo.kuleuven.be/>
 - Hands-on “presentation”

- ▼ **Applied Physics**
 - Announcements
 - Information
 - Contacts
 - Documents
 - Tools

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