





Building Physics LEVEL: 1 YEAR BACHELOR

SPECIALTY: COP

AN INTRODUCTION TO BUILDING PHYSICS



University of Biskra

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Art 1: role of building physics

- Several disciplines play different roles in the process of designing and constructing buildings.
- On the basis of this idea, establish the corresponding link between the roles of each discipline.

Roles	Disciplines
Structural Integrity	Architecture
Aesthetics	Civil Engineering
Occupant Living Conditions	Building Physics
Interaction between indoor and outdoor environments	Architecture
Spatial Functionality	Civil Engineering



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<u>Part 2:</u> Key requirements related to building Physics

Building physics deals with various
criteria. It is considered the science of the
interaction of energy with the materials
contained in a building's envelope.

Based on this idea, list (5) requirements addressed by this discipline.



Solution:

Building physics addresses, on one hand, requirements related to **comfort, health, and wellbeing,** and on the other hand, it addresses requirements related to **architecture, material usage, economy, and sustainability**.

- 1. comfort,
- 2. health, and wellbeing,
- 3. architecture,
- 4. material usage,
- 5. economy, and sustainability.

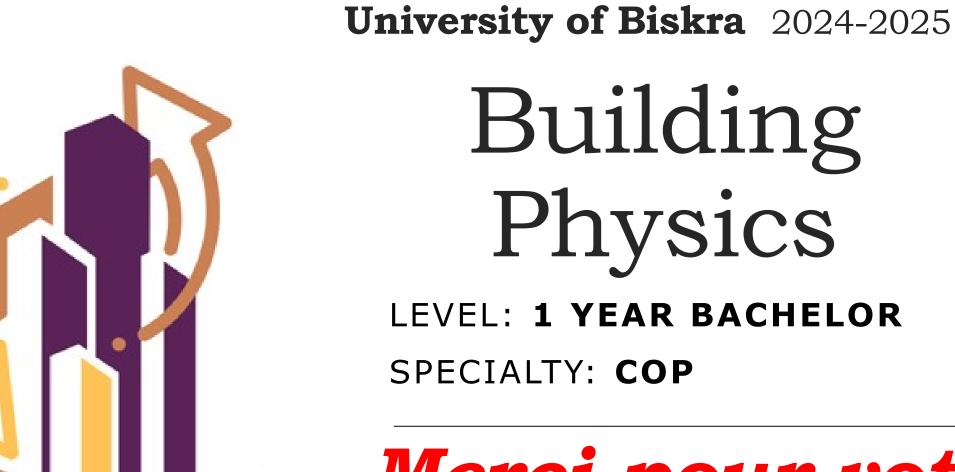


Part 3: Main terms

- 1. Building,
- 2. building physics energy,
- 3. sustainability,
- 4. building material,
- 5. comfort,
- 6. envelope.

students should memorize these terms (in English)





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Merci pour votre

Attention



