

# Kentucky Class Notes

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PGY 206 Speck  
Spring 2012  
Test 1

1-11-12 (Wednesday): Homeostasis

- **CHAPTER 1 (PP. 2-10)** in *Human Physiology* by Stuart Fox, 12<sup>th</sup> edition.
- Physiology is the study of how living organism function.
  - Pathophysiology is the study of diseases.
- Homeostasis is directly translated into “like standing still”
  - Claude Bernard is the one who discovered that constant conditions to our internal environment is required for humans to live.
  - Walter Cannon is the one who termed the word homeostasis to describe the need for a relative stability in our internal environment.
  - Examples of ways our body performs homeostasis:
    - Blood Glucose
    - Water Balance
    - Body Temperature
  - Control Mechanisms:
    - **VARIABLE** is the factor being regulated (i.e. body temperature).
    - **SENSOR** (or receptor) is the place where any change in the internal or external environment is sensed. An example would be the receptors in our core or on our skin.



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