

Day 19 – 4/23/14

## Student Learning Objectives

By the end of this class you will be expected to understand:

- The major glands of the endocrine system
- The concept and function of a negative feedback loop
- The major effects of the hormones on the glands and the body

Support videos:

- Endocrine system
  - <http://www.youtube.com/watch?v=WVrlHH14q3oI>
  - [http://www.youtube.com/watch?v=-S\\_vQZDH9hY](http://www.youtube.com/watch?v=-S_vQZDH9hY)

Assigned Reading:

- Chapter 13: p302-315

Vocabulary:

- Endocrine system
  - Hormone
  - Negative feedback loop
  - Steroid hormone
    - Cholesterol
  - Nonsteroid hormone
    - Second messenger
- Posterior Pituitary
  - ADH
  - Oxytocin
- Anterior Pituitary
  - ACTH
  - TSH
  - FSH/LH
  - Growth Hormone (GH)
- Pancreas
  - Insulin
    - Diabetes
  - Glucagon
    - Hypoglycemia
- Adrenal glands
  - Adrenal Cortex
    - Cortisol
    - Aldosterone
  - Adrenal Medulla
    - Epinephrine
- Thyroid gland
  - Iodine
  - Thyroxine
  - Goiter
- Parathyroid gland
  - PTH