HUMAN A&P: COLLABORATIVE OER ADOPTION
60%+ do not purchase textbooks at some point due to cost
35% take fewer courses due to textbook cost
31% choose not to register for a course due to textbook cost
23% regularly go without textbooks due to cost
14% have dropped a course due to textbook cost
10% have withdrawn from a course due to textbook cost

Source: 2012 student survey by Florida Virtual Campus
The Cost of Textbooks

$278
Retail price of publisher-based A&P textbook with supplementary online materials

$185
Negotiated price of same publisher-based A&P textbook for large enrollment OSU course

$1,551
Estimated annual cost of books and supplies for OSU students

$100,000
Estimated annual expense to OSU BI23X that will be saved by transitioning to OER textbook
Anatomy

and

Physiology
Integumentary system
- Protects underlying tissues
- Provides skin sensation
- Helps regulate body temperature
- Synthesizes vitamin D

Skeletal system
- Attachment for muscles
- Protects organs
- Stores calcium and phosphorus
- Produces blood cells

Muscular system
- Moves body and maintains posture
- Internal transport of fluids
- Generation of heat

Nervous system
- Regulates and integrates body functions via neurons

Endocrine system
- Regulates and integrates body functions via hormones

Cardiovascular system
- Transports nutrients, respiratory gases, wastes, and heat
- Transports immune cells and antibodies
- Transports hormones
- Regulates pH

Lymphatic system
- Returns tissue fluids to bloodstream
- Protects against infection and disease

Respiratory system
- Exchanges respiratory gases with the environment

Digestive system
- Physical and chemical breakdown of food
- Absorbs, processes, stores food

Urinary system
- Maintains constant internal environment through the excretion of nitrogenous waste

Reproductive system
- Produces and secretes hormones
- Produces and releases egg and sperm cells
- Houses endometrium (female only)
- Produces milk to nourish offspring (female only)
Chapter Framing

Ch. 27 The Reproductive System
  27.1 A&P of the Male Reproductive System
  27.2 A&P of the Female Reproductive System
  27.3 Development of the Male and Female Reproductive Systems

Ch. 27 The Sexual Systems
  27.1 Development of the Female and Male Sexual Systems
  27.2 A&P of the Female Sexual System
  27.3 A&P of the Male Sexual System
  27.4 Physiology of the Sexual Act
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