



COURSE OUTLINE : BIOL 114

D Credit – Degree Applicable

COURSE ID 010219

Cyclical Review: October 2019

COURSE DISCIPLINE : BIOL
COURSE NUMBER : 114
COURSE TITLE (FULL) : Human Form and Function
COURSE TITLE (SHORT) : Human Form and Function

CATALOG DESCRIPTION

BIOL 114 provides the student with a broad descriptive introduction to the structure and function of the human body. Topics covered include: cells, tissues, the major body systems and some of the major human conditions and diseases.

Total Lecture Units: 3.00

Total Laboratory Units: 0.00

Total Course Units: 3.00

Total Lecture Hours: 54.00

Total Laboratory Hours: 0.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 54.00

Total Out-of-Class Hours: 108.00

Recommended Preparation: MOA 181 or 182, and MOA 185.



ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	MOA	181	Basic Medical Terminology	Identify the four key components (root, suffix, prefix, combining form) and three rules that form the basics of understanding medical terminology;	No
2	MOA	181	Basic Medical Terminology	demonstrate ability to spell and pronounce medical terms used in medical offices;	Yes
3	MOA	181	Basic Medical Terminology	demonstrate a basic vocabulary of medical terms for each body system;	Yes
4	MOA	181	Basic Medical Terminology	explain terms for common diagnostic and therapeutic interventions for each body system;	Yes
5	MOA	182	Medical Terminology	identify the four key components (root, suffix, prefix, combining form) and three rules that form the basics of understanding medical terminology;	No
6	MOA	182	Medical Terminology	demonstrate ability to spell and pronounce medical terms used in medical offices;	Yes
7	MOA	182	Medical Terminology	demonstrate a basic vocabulary of medical terms for each body system;	Yes
8	MOA	182	Medical Terminology	explain terms for common diagnostic and therapeutic interventions for each body system.	Yes
9	MOA	185	Medical Front Office Procedures	demonstrate the tasks and responsibilities of working as a receptionist in the front office;	No
10	MOA	185	Medical Front Office Procedures	prepare, use, and take care of medical records;	Yes
11	MOA	185	Medical Front Office Procedures	demonstrate handling of insurance claims, filing, charting, and recordkeeping responsibilities.	Yes

EXIT STANDARDS

- 1 Identify the major organ systems of the human body and describe their functions;
- 2 describe the functions of the cell and its organelles;
- 3 recognize the primary tissues that make up the human body;
- 4 explain the homeostatic mechanisms of the organ systems of the human body;
- 5 identify the cause and effect of some of the major diseases of the human body;
- 6 define selected human anatomy and physiology vocabulary used in medical/health field settings.



COURSE OUTLINE : BIOL 114

D Credit – Degree Applicable

COURSE ID 010219

Cyclical Review: October 2019

STUDENT LEARNING OUTCOMES

- 1 identify and describe the anatomy of the human body;
- 2 describe and explain the physiology of the human body;
- 3 use appropriate medical and health field setting vocabulary to describe human anatomy and physiology.

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Organization of the human body	3	0	3
2	Cell structure and function	4	0	4
3	Tissue structure and function (histology)	4	0	4
4	The integumentary system and its disorders	3	0	3
5	The human skeleton (support) and muscles (movement)	9	0	9
6	The nervous system, senses, and human behavior	8	0	8
7	The endocrine system and homeostasis	3	0	3
8	Circulation, lymphatic system and cardiovascular disease	4	0	4
9	Immunity	2	0	2
10	Respiration and its disorders	3	0	3
11	The urinary system and excretion	3	0	3
12	Digestion and diet	4	0	4
13	Reproduction, development and aging	4	0	4
				54

OUT OF CLASS ASSIGNMENTS

- 1 summaries of popular science journal articles on the human body (e.g., “Emotional Smarts Tied to General IQ”, Scientific American, January, 2013);
- 2 critical evaluations of popular science journal articles on the human body.

METHODS OF EVALUATION

- 1 quizzes;
- 2 midterm examinations;
- 3 popular science journal assignments;
- 4 final examination.



COURSE OUTLINE : BIOL 114
D Credit – Degree Applicable
COURSE ID 010219
Cyclical Review: October 2019

METHODS OF INSTRUCTION

- Lecture
- Laboratory
- Studio
- Discussion
- Multimedia
- Tutorial
- Independent Study
- Collaboratory Learning
- Demonstration
- Field Activities (Trips)
- Guest Speakers
- Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	ISBN	Date
Seeley's Essentials of Anatomy & Physiology	Required	WCB/McGraw-Hill	10	print	VanPutte, C.	978-1-259-86464-3.	2019