Anatomy & Physiology Lecture/Lab: Local Community College Courses

Community College	Course Name	Units	Lecture/Lab?	Notes
Woodland Community College *Woodland, CA (11 miles)*	**BIOL 5: Human Physiology** An introduction to the physiological principles, function, integration and homeostasis of the human body at the cellular, tissue, organ, organ system and organismic levels. Includes physiological topics within the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems	4 semester units 6 quarter units	Lecture and lab	Prerequisites: BIS 2A or 2B
	BIOL 4: Human Anatomy An introduction to the gross and microscopic structure of the human body with an emphasis on the anatomy and interrelationship between structure and function of the tissues, organs and organ systems. Human cadaver and/or mammalian specimen dissection required.	4 semester units 6 quarter units	Lecture and lab	Prerequisites: BIS 2A or 2B
Solano Community College *Fairfield, CA (32 miles)* *Vacaville, CA (15 miles)* *Vallejo, CA (39 miles)*	**BIO 005: Human Physiology** A description of physiological and homeostatic mechanisms of the body systems in health and disease. The laboratory relates structure to function, uses instrumentation to measure physiological variables, and enables students to critically evaluate functional status.	5 semester units 7.5 quarter units	Lecture and lab	Prerequisites: CHE 2A, CHE 2B
	BIO 004: Human Anatomy A study of the structural organization of the human body, from cellular to organismal level. Throughout the course, various types of instruction are used, including microscopic investigation of prepared slides of tissues and organs, gross (macroscopic) anatomical dissection, and examination of prosected human material.	5 semester units 7.5 quarter units	Lecture and lab	
Los Rios Community College District *Includes:* ***American River College*** *Sacramento, CA (26 miles)* ***Consumes River College*** *Sacramento, CA (26 miles)* ***Folsom Lake College*** *Folsom, CA (40 miles)* ***Sacramento City College*** *Sacramento, CA (19 miles)*	**BIOL 430 & 431: Anatomy and Physiology** This course emphasizes the integration of structure and function of the human body. It is built on the study of anatomical terminology, cells, and tissues, followed by expansion into the integumentary, skeletal, muscular, and nervous systems. Laboratory study is enhanced by the microscopic investigation of tissues, examination of anatomical models, cadavers, and the dissection of preserved material. Laboratory activities may also include both wet-lab experiments and computer simulations. BIOL 431 must be subsequently taken to complete the study of all major body systems. This lecture and laboratory course in human anatomy and physiology emphasizes the integration of structure and function. It provides students with an understanding of the structure, function, and regulation of the human body through the physiological integration of the following systems: cardiovascular, lymphatic, respiratory, digestive, urinary, endocrine, and reproductive. Laboratory study is enhanced by the microscopic study of tissues, examination of anatomical models, and the dissection of preserved material. Laboratory activity is also enhanced by the examination of whole cadavers as well as prosected head, torso, upper and lower extremities, and individual organs. Laboratory activities also include both wet-lab experiments and computer simulations. Both BIOL 430 and BIOL 431 must be taken to complete the study of all major body systems.	10 semester units 15 quarter units	Lecture and lab	Prerequisites: CHE 2A
Napa Valley College	**BIOL-218: Human Anatomy** An introduction to the principles of the gross and microscopic anatomy of the human body. Dissection of a human cadaver and a cat are supplemented by anatomical models, charts, and microscopic observation of human tissues. Primarily intended for students pursuing an Associates Degree in Nursing (ADN), A.S. Degree in Respiratory Care, or B.A./B.S. Degree in a Health Sciences field.	5 semester units 7.5 quarter units	Lecture and lab	Prerequisites: BIS 2A

Napa Valley College *Napa, CA (43 miles)*	**BIOL-219: Human Physiology** An introduction to the function of the human body, emphasizing mechanisms of homeostasis and integration at the biochemical, cellular, tissue, organ, and organ system levels. Laboratory exercises include measurement and analysis of physiological data and study of structure-function relationships in body tissues and organs. Primarily intended for students pursuing an Associates Degree in Nursing, A.S. degree in Respiratory Care, or B.A./B.S. degree in a Health Sciences field.	5 semester units 7.5 quarter units	Lecture and lab	Prerequisities: BIS 2A
San Joaquin Delta College *Stockton, CA (59 miles)*	**BIOL 31: Human Anatomy** This course is a study of the structural organization of the human body: gross and microscopic structure of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems, from cellular to organ system levels of organization. This course is primarily intended for nursing, allied health, kinesiology, and other health related majors. This course covers structure of the human body at the cell, tissue, organ, and system level. A systems approach is taken with microscopy and gross anatomy of all systems. Emphasis is placed on structure-function relationships. This is a majors level course with designed rigor. The laboratory includes study of microscopic specimens, organ and organism dissection, and models.	4 semester units 6 quarter units	Lecture and lab	
	BIOL 32: Human Physiology This course applies physiological principles to the function and homeostasis of the human body at the cellular, tissue, organ, organ system and organismal level. Topics include: integumentary system, bone, skeletal, smooth and cardiac muscles, nervous system, sensory organs, cardiovascular system, lymphatic and immune systems, respiratory system, urinary system, digestive system, endocrine system, and reproductive system. Emphasis is placed on the integration of these systems. This course is primarily intended for Nursing, Allied Health, Kinesiology, and other health related majors.	5 semester units 7.5 quarter units	Lecture and Lab	Prerequisites: BIOL 31 Human Anatomy (San Joaquin Delta College) and CHE 2A (UC Davis)
	BIOL 33: Anatomy & Physiology This course is intended primarily for allied health majors. It covers the structure, function, integration, and homeostasis of the human body at the cellular, tissue, organ, organ system, and organism level, including the integumentary, skeletal, muscular, nervous, sensory, cardiovascular, lymphatic, immune, respiratory, urinary, digestive, endocrine, and reproductive systems.	6 semester units 9 quarter units	Lecture and lab	Prerequisites: CHE 2A
Sierra College *Rocklin, CA (38 miles)*	**BIOL 0005: Human Anatomy** Structural organization, relationships among structures, and histology of the human body: gross and microscopic structure of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems, from cellular to organ system levels of organization. This is a rigorous course in human anatomy primarily intended for nursing, allied health, kinesiology, and other health related majors. Cadaver prosections used for instruction.	5 semester units 7.5 quarter units	Lecture and lab	
	BIOL 0006: Human Physiology Study of the physiology, integration, and homeostasis of the human body from chemical through organism levels. Organ systems covered are integumentary, muscular, nervous, sensory, cardiovascular, lymphatic and immune, respiratory, urinary, digestive, endocrine, and reproductive system. Experiments using living and non-living models are performed in lab using methods of data acquisition, recording systems, and analysis of data. Primarily intended for Nursing, Allied Health, Kinesiology, and other health or life science majors.	5 semester units 7.5 quarter units	Lecture and lab	Prerequisites: CHE 2A & 2B

Diablo Valley College *Pleasant Hill, CA (51 miles)*	**BIOSC-139: Human Anatomy** This course examines the physical structure of the human body as an integrated unit, stressing normal structure and the changes that occur with aging and disease. Gross anatomy will be studied primarily through cadaver dissection in conjunction with preserved specimens, student self-reference, models and charts. Microscopic anatomy (histology) will be studied mainly through the use of microscope slides.	5 semester units 7.5 quarter units	Lecture and lab	
	BIOSC-140: Human Physiology This course presents the essential concepts of physiological mechanisms of the human body. Emphasis will be given to regulatory mechanisms ranging from the cellular level to organ-system level employing chemical, mathematical and physical principles. Topics of study will include physiological principles, function, integration and homeostatis of the human body at the cellular, tissue, organ, organ system and organismal level. Laboratory activities focus on methodologies necessary for the application, analysis and evaluation of major physiological principles using molecular technologies, bioelectronics, computer analysis, and/or live organisms.	5 semester units 7.5 quarter units	Lecture and lab	
Yuba College *Marysville, CA (54 miles)*	**BIO 4: Human Anatomy** An introduction to the gross, microscopic and organizational structure of the human body. Emphasizes the interrelationship between structure and function of cells, tissues, organs, and systems. The course is primarily intended for nursing, allied health, kinesiology, and other health related majors.	4 semester units 6 quarter units	Lecture and lab	Prerequisites: BIS 2A or BIS 10
	BIOL 5: Human Physiology An introduction to the physiological principles, function, integration and homeostasis of the human body at the cellular, tissue, organ, organ system and organismic levels. Includes physiological topics within the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems.	4 semester units 6 quarter units	Lecture and lab	Prerequisites: BIS 2A or BIS 10

- Always double check the nursing/PA school's websites that you plan to apply to see if the courses you plan to take/have taken fulfill their requirements.
- There may be more courses from each institution that fulfill individual nursing/PA school's requirements, please double check requirements.
- If you plan to use any of this coursework for major or degree requirements please double check with your major advisor.
- Please be aware of "and"s and "or"s.

Last updated: 1/2021