

DESCRIPTION OF COURSE: *(From Course of Study Catalog)*

Students will gain a thorough understanding of the structure and function of the human body. They will understand that the human body is a highly integrated organism which is dependent on the organization of its component systems to maintain its function. Using critical thinking and problem solving skills, students will understand the interdependence of body systems and the consequences of the destruction of homeostasis upon those systems. Comparative anatomy will be performed via cat dissection. Students will demonstrate their achievements through laboratory investigations, case studies, research projects, laboratory practicals, and tests.

REQUIRED TOPICS OF STUDY	SUGGESTED INSTRUCTIONAL TIME	STANDARDS/ ASSESSMENT ANCHORS
<i>Introduction to the Human Body</i>	<i>3-4 Days</i>	<i>3.2.12.A, B, C, D</i>
<i>Chemical Level of Organization</i>	<i>3 Days</i>	<i>3.3.12.A, B</i>
<i>Cellular Level of Organization</i>	<i>4 Days</i>	<i>3.3.12.A, B</i>
<i>Histology (The Study of Tissues)</i>	<i>7 Days</i>	<i>3.3.12.A, B</i>
<i>Integumentary System</i>	<i>6 Days</i>	<i>3.3.12.A, B</i>
<i>Bone Tissue and the Axial Skeleton</i>	<i>8 Days</i>	<i>3.3.12.A, B</i>
<i>Appendicular Skeleton and Articulations</i>	<i>8 Days</i>	<i>3.3.12.A, B</i>
<i>Muscular System</i>	<i>14 Days</i>	<i>3.3.12.A, B</i>
<i>Digestive System</i>	<i>8 Days</i>	<i>3.3.12.A, B</i>
<i>Cardiovascular System</i>	<i>8 Days</i>	<i>3.3.12.A, B</i>
<i>Urinary System</i>	<i>4 Days</i>	<i>3.3.12.A, B</i>
<i>Respiratory System</i>	<i>4 Days</i>	<i>3.3.12.A, B</i>
<i>All Laboratory Exercises, Research, and Critical Thinking</i>	<i>N/A</i>	<i>3.1.12.B, C, D 3.2.12. A, B, C, D</i>
<i>Medical Terminology Associated with each Body System</i>	<i>N/A</i>	<i>See Above.</i>

(Tab to Create)

INSTRUCTIONAL RESOURCES:

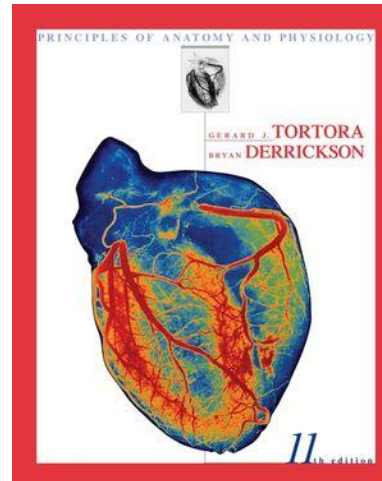
Principles of Anatomy and Physiology, 11th edition

By Gerard J. Tortora and Bryan Derrickson

John Wiley & Sons, Inc. Publishers

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ISBN: 0-471-68934-3



A Brief Atlas of the Skeleton, Surface Anatomy, and Selected Medical Images

By Gerard J. Tortora

John Wiley & Sons, Inc. Publishers

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ISBN: 0-471-71428-3

Various Handouts (including laboratory guides, dissection diagrams, notes, study sheets, etc.)

Cat Dissection Specimen

Cat Dissection Laboratory Guides