



Goodheart-Willcox Publisher	
Correlation of <i>INTRODUCTION TO ANATOMY AND PHYSIOLOGY 2E</i> ©2021	
NCHSE 2020 Curriculum Framework	
Human Structure, Function, and Disease (B)	
STANDARD	G-W CORRELATING PAGES
1.0 Medical Terminology	
Demonstrate methods of delivering and obtaining information, while communicating effectively	
1.1 Use common roots, prefixes, and suffixes to communicate information regarding body systems, diseases and disorders	5, 42, 43, 49, 76, 94, 202, 271, 310, 465, 468, 472, 478, 522, 530, 556, 574, 604, 640–643
1.2 Interpret common medical abbreviations	644
2.0 Anatomy and Physiology	
Understand human anatomy, physiology, common diseases and disorders, and medical math principles.	
2.1 Nervous system	
2.1.1 Structures of the nervous system <ul style="list-style-type: none">Identify organs of the nervous systemIdentify structures of the special sense organs	220–223, 238–244 264–267, 275–277, 284–286, 288–289
2.1.2 Functions of the nervous system <ul style="list-style-type: none">SensationMovementProcessing	220–221, 233–234, 238–241 218, 219, 230–232, 233–234, 240 224–229
2.2 Endocrine System	
2.2.1 Structures of the endocrine system <ul style="list-style-type: none">Identify endocrine glands	300–301, 307–319
2.2.2 Functions of the endocrine system <ul style="list-style-type: none">Production of hormonesRegulation of body processesControls metabolismRegulates growth, development and maturation	301–319 307–319 307, 311 303, 308, 310, 315, 317
2.3 Digestive System	
2.3.1 Structures of the digestive system <ul style="list-style-type: none">Identify digestive organs in sequenceDifferentiate between alimentary and accessory organs	517, 520–535, 548 516, 517
2.3.2 Functions of the digestive system <ul style="list-style-type: none">Chemical and mechanical digestion	516–518, 547

<ul style="list-style-type: none"> Absorption of nutrients Excretion of waste 	513, 514, 517–518, 526–528, 532 517, 533–534
2.4 Urinary System	
2.4.1 Structures of the urinary system <ul style="list-style-type: none"> Identify urinary organs Identify gross and microscopic anatomy of the kidney 	552, 565–567 552–557
2.4.2 Functions of the urinary system <ul style="list-style-type: none"> Process of urine formation Urine composition Homeostatic balance 	558–565 564–565 552, 564–565
2.5 Reproductive System	
2.5.1 Structures of the reproductive system <ul style="list-style-type: none"> Identify female reproductive organs Identify male reproductive organs 	601–605 596–598
2.5.2 Functions of the reproductive system <ul style="list-style-type: none"> Formation of gametes Production of hormones 	590, 592–593, 595 593–594, 601, 603, 605, 606–607, 609, 614, 616–617, 618
3.0 Diseases and Disorders (Nervous, Endocrine, Digestive, Urinary, Reproductive)	246, 250, 269, 272, 279, 286, 290 321, 322, 324, 325, 326 537, 541 573 621
3.1 Describe etiology, pathology, diagnosis, treatment, and prevention of common diseases and disorders, including, but not limited to the following: <ul style="list-style-type: none"> Cancer Cataracts Concussion/Traumatic Brain Injury (TBI) Diabetes mellitus Dementia Gastric ulcer Hepatitis Sexually Transmitted Infection (STI) Urinary Tract Infection (UTI) 	65, 66–67, 77, 86, 105, 106, 107, 111–112, 365–366, 373, 401, 402–404, 492–494, 495, 499, 506, 542 271 247, 261 326–328, 336, 573–575, 581 252, 260 534, 537, 538, 543, 548 540–541, 542 104–107, 108, 622–625, 629 579–580
4.0 Information Technology in Healthcare Apply information technology practices common across health professions.	
4.1 Key Principles, components and practices of Health Information Systems	

4.1.1 Identify components of an electronic health record (EHR) and/or electronic medical record (EMR). <ul style="list-style-type: none"> • Diagnostic tests • History and physical • medications • Patient demographics • Progress notes • Treatment plan 	441
4.1.2 Explore different types of health data collection tools. <ul style="list-style-type: none"> • Medical wearable devices • Patient monitoring equipment • Phone application • Telemedicine/telehealth 	164–165, 365 419, 444, 447 114
4.1.3 Create electronic documentation that reflects timeliness, completeness, and accuracy.	
4.1.4 Adhere to information systems policies, procedures, and regulations as required by national, state, and local entities	
5.0 Medical Mathematics	
5.1 Demonstrate competency using basic math skills and mathematical conversions as they relate to healthcare.	9–10, 119, 170, 637, 638–639
5.2 Demonstrate the ability to analyze diagrams, charts, graphs, and tables to interpret healthcare results.	38, 86, 214, 260, 296–297, 336–337, 374, 410, 460, 506, 549, 586