

Correlation of 2016 *Introduction to Health Science* to Essential Healthcare Practices

Standard	Page Numbers
1.0 Communication Demonstrate methods of delivering and obtaining information, while communicating effectively.	
1.1 Concepts of Effective Communication	
1.1.1 Distinguish between subjective and objective information	81, 381, 673, 687, 689, 693 (#28)
1.2 Written Communication Skills	
1.3.1 Use proper elements of written and electronic communication (spelling, grammar, and formatting).	50–54, 62, 66 (#20 and 21), 76, 92–96, 113 (#29), 170 (#20), 207–209, 532, 672–676
1.3.2 Prepare examples of technical and informative writing.	50–54, 66 (#20, 21, 22), 67 (#26), 85–86, 92–96, 112 (#18 and 22), 113 (#29, 30, 32), 207–209, 216 (#18), 217 (#32), 265, 286 (#22), 326 (#20), 376 (#18 and 21), 436 (#21), 470 (#20), 521 (#14), 532, 554 (#20), 622 (#17), 664 (#23), 665 (#35), 672–674, 692 (#19 and 21), 718 (#25)
1.3.3 Demonstrate appropriate use of digital communication in a work environment, such as email, text, and social media.	52, 92–95, 138, 235–237
1.3 Medical Terminology	
1.3.1 Use common roots, prefixes, and suffixes to communicate information.	148–153, 170 (#16), 241, 325 (#13), 469 (#14), 622 (#13), 763 (#13)
1.3.2 Interpret common medical abbreviations to communicate information.	53, 82, 148–150, 170 (#18), 249, 259 (#29), 266, 286 (#17 and 18), 402
2.0 Human Anatomy and Physiology Understand human anatomy, physiology, common diseases and disorders, and medical math principles.	

2.1 Describe the organization of the human body and directional terms.	
2.1.1 Demonstrate anatomical position	159
2.1.2 Identify body planes <ul style="list-style-type: none"> • Sagittal • Midsagittal • Coronal / Frontal • Transverse / Horizontal 	166-167, 170 (#23)
2.1.3 Use directional terms <ul style="list-style-type: none"> • Anterior / Posterior • Medial / Lateral • Proximal / Distal • Superficial / Deep • Superior / Inferior • Ventral / Dorsal 	159, 161-162, 170 (#23 and 24)
3.0 Systems Identify how key systems affect services performed and quality of care.	
3.1 Healthcare Delivery Systems	
3.1.1 Differentiate healthcare delivery systems and healthcare related agencies.	
3.1.11 Types of practice settings <ul style="list-style-type: none"> • Acute care • Ambulatory care • Behavioral and mental health services • Home care • Long-term care • Medical and dental practices 	120-121, 484-487
3.1.2 Specialty medical and dental practices <ul style="list-style-type: none"> • Cosmetic surgery • Pulmonology • Surgical 	184, 236

<ul style="list-style-type: none"> • Orthodontics 	
3.1.2 Government <ul style="list-style-type: none"> • Veterans Administration (VA) • Centers for Disease Control and Prevention (CDC) • Food and Drug Administration (FDA) • Occupational Safety and Health Administration (OSHA) • Public Health Service (PHS) 	118-119, 142 (#17 and 18), 143 (#24)
3.1.3 Related organizations <ul style="list-style-type: none"> • American Cancer Society • American Heart Association (AHA) • American Red Cross (ARC) • March of Dimes • World Health Organization (WHO) 	119-120
3.2 Examine the healthcare consumer's rights and responsibilities within the healthcare system. <ul style="list-style-type: none"> • Self-advocacy • Compliance • Patient's Bill of Rights 	133-134, 271, 418-419, 436 (#18), 437 (#29)
3.3 Analyze the impact of emerging issues on healthcare delivery systems. <ul style="list-style-type: none"> • Addictions • Bioethics • Epidemiology • Socioeconomics • Technology 	17-20, 122, 126-127, 132-133, 416-418, 704-709
3.4 Analyze healthcare economics and related terms.	
3.4.1 The history and role of health insurance and employer/employee benefits;	17-18

3.4.2 Fundamental terms related to health insurance <ul style="list-style-type: none"> • Claim • Coinsurance • Co-payment • Fraud • HIPAA • Premium 	17–20, 107, 133
3.4.3 Types of insurance plans <ul style="list-style-type: none"> • Private health insurance plans • Managed Care o Health Maintenance Organization (HMO) o Independent Practice Association (IPA) o Preferred Provider Organization (PPO) • Government programs o Affordable Care Act (ACA) o Medicaid o Medicare o Tricare o Workers’ Compensation 	19-20, 122-, 126, 142 (#16)
4.0 Legal Responsibilities Describe legal responsibilities, limitations, and implications on healthcare worker actions.	
4.1 Legal Responsibilities and Implications	
4.1.1 Analyze legal responsibilities and implications of criminal and civil law. <ul style="list-style-type: none"> • Abuse • Assault • Battery • Invasion of privacy • Libel 	54, 80–81, 86, 127–130, 133–134, 136–138, 143 (#27 and 30), 233–234, 266–273, 286 (#21, 22, 23), 287 (#28), 345, 361, 370–371, 376 (#23), 419–424, 565–571, 652, 698–700, 710

<ul style="list-style-type: none"> • Malpractice • Negligence • Slander 	
4.2 Legal Practices	
4.2.1 Apply standards for the safety, privacy and confidentiality of health information. <ul style="list-style-type: none"> • HIPAA • Privileged communication 	41, 133, 230, 272, 286 (#23), 345, 393–396, 535–536, 677
4.2.2 Describe advance directives.	133–134, 143 (#30)
4.2.3 Summarize the essential characteristics of a patient’s basic rights within a healthcare setting	132–134, 270–273, 286 (#21 and 22)
4.2.4 Differentiate informed and implied consent.	271–272, 287 (#28)
4.2.5 Explain laws governing harassment.	128, 278, 570–571
4.2.6 Describe the concept of scope of practice.	128, 268
4.2.7 Utilize procedures for reporting activities and behaviors that affect the health, safety, and welfare of others (incident report).	265, 275, 279, 280, 282, 287 (#32), 371, 384–385, 714
5.0 Ethics Understand accepted ethical practices with respect to cultural, social, and ethnic differences within the healthcare environment.	
5.1 Ethical Practice	
5.1.1 Differentiate between ethical and legal issues impacting healthcare	127–135, 266–276, 286 (#19), 419–425, 565–574, 704–710, 718 (#18)
5.1.2 Identify ethical issues and their implications related to healthcare. <ul style="list-style-type: none"> • Ethics committee • Euthanasia • In vitro fertilization • Organ donation • Scope of practice 	130–134, 273–275, 424–425, 571–574, 704–710

5.2 Cultural, Social, and Ethnic Diversity	
5.2.1 Discuss religious and cultural values as they impact healthcare. <ul style="list-style-type: none"> • Ethnicity • Gender • Race • Religion 	227–229, 385–391, 412 (#21 and 22), 413 (#33)
5.2.2 Demonstrate respectful and empathetic treatment of ALL patients/clients. <ul style="list-style-type: none"> • Civility • Customer service • Patient satisfaction 	201, 224–225, 388–391, 412 (#24), 572, 586 (#17)
6.0 Medical Mathematics Understand math principles integral to medical applications.	
6.1. Demonstrate competency using basic math skills and mathematical conversions as they relate to healthcare.	
6.1.1 Metric system <ul style="list-style-type: none"> • Kilo- • Centi- • Deci- • Milli- • Micro 	240–242, 245–246, 258 (#25 and 27), 541, 549, 644
6.1.2 Mathematical Operations <ul style="list-style-type: none"> • Average • Ratios • Fractions • Percentages • Addition / Subtraction • Multiplication / Division 	35 (#26), 97, 123, 247, 248, 286 (#27), 408, 548–549, 551, 554 (#28), 555 (#30 and 31), 685, 688, 689, 692 (#25)
6.1.3 Conversions	243–245, 258 (#23, 24, 25, 26, 27), 259 (#31), 399–

<ul style="list-style-type: none"> • Height (inches/meters) • Weight/mass (pounds/grams) • Length (inches/meters) • Volume (ml/cc) • Temperature (F/C) • Household measurements (Tbsp/tsp/cup/oz) 	400, 402, 406, 413 (#26 and 28)
6.2 Demonstrate the ability to analyze diagrams, charts, graphs, and tables to interpret healthcare results.	9–10, 18, 19, 90, 99–100, 113 (#26), 303, 307, 347, 350, 353, 399, 401, 403, 405, 407, 413 (#27), 436 (#20), 444, 466, 501, 586 (#16), 674–675, 686, 718 (#20 and 21)
6.3 Demonstrate use of the 24-hour clock/military time.	239–240, 258 (#23 and 24)
<p style="text-align: center;">7.0 Technical Skills</p> <p style="text-align: center;">Apply and demonstrate technical skills and knowledge common to health career specialties.</p>	
7.1 Demonstrate procedures for measuring and recording vital signs including the normal ranges. <ul style="list-style-type: none"> • Blood pressure • Oxygen saturation • Pain • Pulse • Respirations • Temperature 	347–354, 377 (#27), 384, 400–402, 413 (#27), 451–452