

COURSE SYLLABUS

LAST REVIEW	Spring 2021
COURSE TITLE	Human Body
COURSE NUMBER	MEDA 0160
DIVISION	Health Professions
DEPARTMENT	Medical Assistant
CIP CODE	51.0801
CREDIT HOURS	3
CONTACT HOURS/WEEK	Class: 3
PREREQUISITES	None
COURSE PLACEMENT	This course is part of a selective admission program. Students must be admitted to the Medical Assistant program to enroll in this course.

COURSE DESCRIPTION

This course introduces the student to basic human anatomy and physiology. Body systems are reviewed for normal function and common pathology. Common diseases and treatments are explored along with age-related health issues.

PROGRAM ALIGNMENT

This course is part of a program aligned through the Kansas Board of Regents and Technical Education Authority. For more information, please visit:
https://kansasregents.org/workforce_development/program-alignment

PROGRAM LEARNING OUTCOMES

1. Define diseases and related treatments for the body systems.
2. Demonstrate clinical and laboratory skills necessary for entrylevel employment.
3. Practice basic principles and practices of safe pharmacological administration.
4. Modify communication to effectively interact with and provide education to patients of varying backgrounds.
5. Select appropriate reference materials to enhance performance of job functions and patient education.
6. Comply with principles of records management to complete incident reports, documentation, data entry and electronic health records.
7. Demonstrate legal, ethical, and safe behaviors when performing the duties of the medical assistant.

TEXTBOOKS

<http://kckccbookstore.com/>

METHODS OF INSTRUCTION

A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

COURSE OUTLINE

- I. Anatomy and Physiology
 - A. Structural organization
 - B. Body planes, directional terms quadrants and cavities
 - C. Body systems
 - D. Medical terminology
 - E. Medical abbreviations

- II. Structure, function, and disease for body systems
 - A. System review
 1. Major organs
 2. Normal function
 3. Common pathology
 4. Implications for disease and disability
 5. Age-related health issues
 6. Treatment

 - B. Body systems covered
 1. Musculoskeletal
 2. Nervous
 3. Cardiovascular
 4. Integumentary
 5. Endocrine
 6. Blood, lymph, immune
 7. Circulatory
 8. Digestive
 9. Urinary
 10. Reproductive
 11. Respiratory

COURSE LEARNING OUTCOMES AND COMPETENCIES

Upon successful completion of this course, the student will:

- A. Differentiate body planes, directional terms, quadrants and cavities.
 1. Describe structural organization of the human body.
 2. Describe body planes, directional terms quadrants and cavities.
 3. Identify body systems.
 4. Use medical terminology and abbreviations.

- B. Identify the structure, function, and diseases of the musculoskeletal system.
 5. List major organs in the system.
 6. Describe the normal function of the system.
 7. Identify and analyze common pathology related to the system.
 8. Discuss implications for disease and disability for the system when homeostasis is not maintained.
 9. Describe implications for treatment related to pathology in the system.
 10. Compare body structure and function of the system across the life span.

- C. Identify the structure, function, and diseases of the nervous, system.
 11. List major organs in the system.
 12. Describe the normal function of the system.
 13. Identify and analyze common pathology related to the system.
 14. Discuss implications for disease and disability for the system when homeostasis is not maintained.
 15. Describe implications for treatment related to pathology in the system.
 16. Compare body structure and function of the system across the life span.

- D. Identify the structure, function, and diseases of the cardiovascular system.
 17. List major organs in the system.
 18. Describe the normal function of the system.
 19. Identify and analyze common pathology related to the system.
 20. Discuss implications for disease and disability for the system when homeostasis is not maintained.
 21. Describe implications for treatment related to pathology in the system.
 22. Compare body structure and function of the system across the life span.

- E. Identify the structure, function, and diseases of the, special senses.
 23. List major organs in the system.
 24. Describe the normal function of the system.
 25. Identify and analyze common pathology related to the system.
 26. Discuss implications for disease and disability for the system when homeostasis is not maintained.
 27. Describe implications for treatment related to pathology in the system.
 28. Compare body structure and function of the system across the life span.

- F. Identify the structure, function, and diseases of the Integumentary system.
29. List major organs in the system.
 30. Describe the normal function of the system.
 31. Identify and analyze common pathology related to the system.
 32. Discuss implications for disease and disability for the system when homeostasis is not maintained.
 33. Describe implications for treatment related to pathology in the system.
 34. Compare body structure and function of the system across the life span.
- G. Identify the structure, function, and diseases of the endocrine system.
35. List major organs in the system.
 36. Describe the normal function of the system.
 37. Identify and analyze common pathology related to the system.
 38. Discuss implications for disease and disability for the system when homeostasis is not maintained.
 39. Describe implications for treatment related to pathology in the system.
 40. Compare body structure and function of the system across the life span.
- H. Identify the structure, function, and diseases of the blood, lymph, and immune system.
41. List major organs in the system.
 42. Describe the normal function of the system.
 43. Identify and analyze common pathology related to the system.
 44. Discuss implications for disease and disability for the system when homeostasis is not maintained.
 45. Describe implications for treatment related to pathology in the system.
 46. Compare body structure and function of the system across the life span.
- I. Identify the structure, function, and diseases of the circulatory system.
47. List major organs in the system.
 48. Describe the normal function of the system.
 49. Identify and analyze common pathology related to the system.
 50. Discuss implications for disease and disability for the system when homeostasis is not maintained.
 51. Describe implications for treatment related to pathology in the system.
 52. Compare body structure and function of the system across the life span.
- J. Identify the structure, function, and diseases of the digestive system.
53. List major organs in the system.
 54. Describe the normal function of the system.
 55. Identify and analyze common pathology related to the system.
 56. Discuss implications for disease and disability for the system when

- homeostasis is not maintained.
57. Describe implications for treatment related to pathology in the system.
 58. Compare body structure and function of the system across the life span.
- K. Identify the structure, function, and diseases of the urinary system.
59. List major organs in the system.
 60. Describe the normal function of the system.
 61. Identify and analyze common pathology related to the system.
 62. Discuss implications for disease and disability for the system when homeostasis is not maintained.
 63. Describe implications for treatment related to pathology in the system.
 64. Compare body structure and function of the system across the life span.
- L. Identify the structure, function, and diseases of the reproductive system.
65. List major organs in the system.
 66. Describe the normal function of the system.
 67. Identify and analyze common pathology related to the system.
 68. Discuss implications for disease and disability for the system when homeostasis is not maintained.
 69. Describe implications for treatment related to pathology in the system.
 70. Compare body structure and function of the system across the life span.
- M. Identify the structure, function, and diseases of the respiratory system.
71. List major organs in the system.
 72. Describe the normal function of the system.
 73. Identify and analyze common pathology related to the system.
 74. Discuss implications for disease and disability for the system when homeostasis is not maintained.
 75. Describe implications for treatment related to pathology in the system.
 76. Compare body structure and function of the system across the life span.

ASSESSMENT OF COURSE LEARNING OUTCOMES AND COMPETENCIES

Student progress is evaluated through both formative and summative assessment methods. Specific details may be found in the instructor's course information document.

COLLEGE POLICIES AND PROCEDURES

Student Handbook

<https://www.kckcc.edu/files/docs/student-resources/student-handbook-and-code-of-conduct.pdf>

College Catalog

<https://www.kckcc.edu/academics/catalog/index.html>

College Policies and Statements

<https://www.kckcc.edu/about/policies-statements/index.html>

Accessibility and Accommodations

<https://www.kckcc.edu/academics/resources/student-accessibility-support-services/index.html>.