HEALTH OCCUPATIONS CORE CURRICULUM
HPRS 2201
Pathophysiology
Syllabus

All students must wear their ECC Picture ID Badge. It should be worn on the upper part of the body where it is clearly seen. Program uniforms do not replace the college ID requirement. Students who do not have a college ID will not be permitted in class, after the 12th class day.

Prerequisites:
SCIT 1407 or BIOL 2401 and/or approval of the HOCC Coordinator.

Course Description: Study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and the physical and psychological reactions to diseases and injuries. (2 Lec.)

Credit Hours: 2 lecture

THECB INFORMATION
End-of-Course Outcomes:

By the end of this course, the student will be able to distinguish factors, physical, psychosocial and cognitive characteristics of various diseases and conditions; and identify implications of therapeutic interventions for common diseases and conditions

Student Learning Outcomes/SLO
Upon successful completion of HPRS 2201, students will be able to:
1. Discuss the Mechanisms of Disease, Diagnosis, and Treatment.
2. Discuss Developmental, Congenital, and Childhood Diseases and Disorders.
3. Identify within each body system:
   a. Common diseases
   b. Signs and symptoms
   c. Etiology
   d. Diagnostic process
   e. Treatment
   f. Prognosis
4. Discuss mental disorders.
5. Discuss Disorders and Conditions Resulting from Trauma.

COURSE MATERIALS.

Textbook:
Essentials of Human Diseases and Conditions, 4th edition
Margaret S. Frazier and Jeanette W. Drzymkowski
Saunders/Elsevier
ISBN: 978-1-4160-4714-8

A student of El Centro College is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer. THECB TAC Rule 4.218 (c)

Major Course Requirements
Students will produce a Disease Abstract research paper demonstrating understanding of the pathology and general health management of diseases and injuries across the life span and socio-economic statum.

Research, quizzes and exams will evaluate the student's understanding of Pathophysiology profession skills and knowledge presented in each lab module
Subject Matter
Topics covered in this course include:
  - Mechanisms of Disease, Diagnosis, and Treatment
  - Developmental, Congenital, and Childhood Diseases and Disorders
  - Diseases and Conditions of the Immunologic, Endocrine System, Eye and Ear, Integumentary, Musculoskeletal, Digestive, Respiratory, Circulatory, Urinary, Reproductive, Neurologic Systems
  - Mental Disorders
  - Trauma

Disclaimer
The provisions contained in this syllabus do not constitute a contract between the student and El Centro College. These provisions may be changed at the discretion of the Coordinator/Instructor. When necessary, appropriate notice of such changes will be given to the student.

Students will be notified of changes with eCampus Announcements. It is the student’s responsibility to check course eCampus Announcements frequently.

The instructor-of-record may provide additional information to enhance the course to meet the needs of the enrolled students, provided that the enhancements do not conflict with the official course syllabus.

IMMUNIZATION POLICY
More detailed information on this policy is available from the Health Occupations Admission Office. All students admitted to the El Centro Allied Health and Nursing programs must complete the following vaccination/screening tests and provide required documentation (immunization records, physician-validated history, or serologic confirmation):

**Tuberculosis Screening:** An intradermal PPD (Mantoux) “skin” test is required for all applicants. **The PPD must be current within twelve (12) months of the applicant’s anticipated entry into a health occupations program.** When accepted to a health occupations program, a student must be current on the screening and repeat the PPD every twelve (12) months for the duration of his/her enrollment in the program.

If the PPD indicates a positive reaction, documentation must indicate the induration of the test site and the applicant must also obtain a chest x-ray verifying the absence of active disease. **The chest x-ray must be current within one (1) year of program entry.** The chest x-ray will then be valid for two (2) years while the student is enrolled in the program. Individuals who have received the BCG injection or who have a history of tuberculosis or a positive PPD result should obtain a chest x-ray rather than the PPD.

**Immunizations:** An applicant must have completed the following immunizations according to the indicated guidelines and schedules. Documentation of a titer (blood test) with specific lab values verifying immunity or seropositivity is also acceptable for Measles, Mumps, Rubella, Varicella, and Hepatitis B.

1. **Measles** – Two (2) doses of measles (“rubeolla”) vaccine is required either in separate injections or in combination with mumps and rubella (“MMR”). **Both measles immunizations must have been received after January 1, 1968.** Individuals who were born prior to 01/01/57 are exempt from the measles immunization requirements.

2. **Mumps** – One (1) dose of mumps vaccine is required either in a separate injection or in combination with measles and rubella (“MMR”). Individuals who were born prior to 01/01/57 are exempt from the mumps immunization requirement.

3. **Rubella** – One (1) dose of rubella vaccine is required either in a separate injection or in combination with measles and mumps (“MMR”). There is no exemption from the rubella immunization requirement for individuals who were born prior to 01/01/57.

4. **Tetanus/Diphtheria/Pertussis (“Tdap”)** – One (1) dose of Tdap is required within the past ten (10) years. The documentation must clearly indicate that a Tdap was received. **NOTE:** A standard Tetanus or Tetanus/Diphtheria (Td) is not accepted.
5. **Varicella (chickenpox)** – Two (2) doses of varicella vaccine are required or documentation of a positive titer (blood test) with the lab values report. **NOTE:** A statement from a physician or parent indicating the student's previous varicella disease history is no longer accepted.

6. **Influenza** – One dose of a flu vaccine is required within twelve (12) months of anticipated entry to a health occupations program.

7. **Hepatitis B series** – Three (3) doses of Hepatitis B vaccine are required per the timetable below: Initial dose, Second dose one month after the initial dose, Third dose five months after the second dose. If an applicant fails to adhere to the above schedule, the series may have to be repeated.

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**Policies and Student Handbook**

General Institutional policies and Course-Related Institutional policies are available on the college web site. The Student Handbook is available from the Student Life office and on the college web site.