KING SAUD UNIVERSTY

COLLEGE OF APPLIED MEDICAL SCIENCES

REHABILITATION SCIENCES DEPARTMENT.

COURSE SYLLABUS

Fall semester 1435/1436 (2014/2015G).

COURSE TITLE: Medical Aspects of Disabling Conditions.

COURSE NUMBER: RHS 442.

CREDIT HOURS: 3 + 0 = 3.

COURSE INSTRUCTOR: Dr. Ali Albarrati (abarrati@ksu.edu.sa)

COURSE DESCRIPTION: The course will present fundamental and basic facts that will articulate the theoretical concepts of the MEDICAL ASPECTS OF DISABLING CONDITIONS arising from CARDIOVASCULAR, PULMONARY, INTEGUMENTARY, NERVOUS and MUSCULOSKELETAL systems. The overall goal is to facilitate the deep understanding of the mechanisms (pathological changes) through which DISABILITIES may develop with respect to the principal anatomical/physiological systems mentioned.

COURSE OBJECTIVES:

AIMS & OBJECTIVES: The course aims to:

1. Deepen the understanding of the theoretical knowledge of the anatomical /physiological structures of the referenced systems.
2. Guide the students in appreciation of the relationship between the developing pathological changes in the systems and disabilities.
3. Enable the students to appreciate the contribution of MEDICAL REHABILITATION programs in the clinical management of disabilities arising from the pathological changes in the systems.

OBJECTIVES: Upon the successful completion of the course, the students should have the capacity to:

1. Demonstrate the understanding of the significance of cardiovascular, orthopedic and rheumatologic disorders as being fundamental to the majority of disabling conditions.
2. Recognize aspects of disabling conditions that can benefit from medical rehabilitation interventions.
3. Appraise the bases and strategies for interacting purposefully and effectively with individuals living with disabilities.
4. Demonstrate effective critical thinking and problem-solving skills with respect to various disabling conditions.

COURSE OUTLINE.

Week. Topic.

* + - 1. (07/09-13/09) General introduction and guidelines including explanation of AIMS &OBJECTIVES of the course. Explanation of Basic concepts of Impairments, Disability & Handicap.
      2. (14/09-20/09) Review of Anatomic structures & physiology of cardiovascular system.
      3. (05/10-11/10) Pathology-physiology of common cardiovascular diseases.
      4. (12/10-18/10) Continuation of week 4 lecture.
      5. (19/10-25/10) Review of Anatomic structures & physiology of the pulmonary system.
      6. (26/10-01/11) Pathology-physiology of common pulmonary diseases
      7. (02/11-08/11) **1st In-course Examination.**
      8. (09/11-15/11) Selected musculoskeletal pathologies.
      9. (16/11-22/11) Spring Break.
      10. (23/11-29/11) Selected Neurological pathologies. **Due date of the written report of the independent study.**
      11. (30/11-06/12) Selected Integumentary pathologies.
      12. (07/12-13/12) Cancer and rehabilitation.
      13. (14/12-20/12) **2nd In-course Examination.**
      14. (21/12-27/12) Metabolic disorders and rehabilitation.
      15. (28/12-03/01/15) **Oral presentation of the Independent Study**.
      16. (04/01/15-10/01/15) General Appraisal of the course materials.
      17. (11/01/15-17/01/15) Final Examination.

SEMESTER INDEPENDENT STUDY

DEFORMITIES and PAIN are standard signs and symptoms that are principally responsible for IMPAREMENT and DISABILITY experienced by people that suffer from INJURY and/or DISEASES.

CHOOSE any SPECIFIC CLINICAL/MEDICAL CONDITION (from previous systems explained in the syllabus) and prepare an ORAL PRESENTATION and WRITTEN REPORT detailing the CONTRIBUTION OF OCCUPATIONAL THERAPY and/or PHYSICAL THERAPY PROGRAMS in the management/rehabilitation of the patients that are affected by the chosen (i.e. the specific) condition. (**Approximate time for presentation per group will not be more than twenty minutes, written report will not exceed five pages.**)

**Written report format: 12pts times new roman format, double space, excluding the cover and references pages, accepted citation format are APA and AMA.**

TEACHING METHODS.

1. Formal lectures.
2. Assignments/Independent learning through literature and library use. Students will be grouped and directed to prepare a seminar on related medical topics in relation to disability.
3. Group discourse/discussion-/ Audio-visual use.

GRADING.

1. Individual class participation/assignments +attendance. >>>>>>>>>> 10%
2. In course examinations. >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>> 30%
3. Literature-based seminal topics (Oral presentation /Report) >>>>>>>> 20%
4. Final theory examination >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>> 40%

TOTAL>>>>>>> 100%

RECOMMENDED TEXT BOOKS.

# Medical Aspects of Disability: A Handbook for the Rehabilitation Professional. (4th edition)

# Essentials of Cardiopulmonary Physical Therapy. (3rd edition).