



Course Syllabus

Course title and code:	Medical aspects of disabling conditions RHS 442
Department :	Rehabilitation Health Sciences-
Program in which the course is offered:	Physical Therapy Program
Credit hours:	Theory- 3
Total contact hours per semester:	60 hours
Level at which this course is offered: :	level 6
Course prerequisites:	RHS 241, RHS 243 and RHS 346
Time:	Wednesday 10-1pm & Thursday 10-1 pm
Location:	Female campus
College member responsible for the course	Dr. Rehab Farrag Gwada and Dr. Nabila Tounsi
Contact information:	
Office Number:	162, 163
Phone :	52468, 52048
Email:	rgwada@ksu.edu.sa , ntounsi@KSU.EDU.SA
Office hours:	10-11am Sunday, 10-1am Monday, 10-12am Tuesday (Dr.Rehab) Monday 9-12 and Wednesday 9-12 (Dr Nabila)

Course Description

This 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, in addition to some selected cases of Women's health disabling conditions. The overall goal is to facilitate the deep understanding of the mechanisms (pathological changes) through which disability may develop with respect to the principal anatomical/physiological systems mentioned.

Course Objectives

- 1- Define the basic concept of disability, impairment, and handicaps according to WHO definitions.
- 2- Recognize some of most common medical aspect of disabling conditions that can benefit from medical rehabilitation interventions according to recent literature review.
- 3- List risk factors and issues influencing adjustment to disabilities for individuals and their families and the use of them in rehabilitation planning.
- 4- Appraise the bases and strategies for interacting purposefully and effectively with individuals living with disabilities.
- 5- Discuss some selected cases of Women's health disabling condition.
- 6- Demonstrate effective critical thinking and problem-solving skills with respect to various disabling conditions.

Teaching strategies

Differentiated teaching strategies should be selected to align with the curriculum taught, the needs of students, and the intended learning outcomes. Teaching methods include: lecture, debate, small group work, whole group and small group discussion, research activities, lab demonstrations, projects, debates, role playing, case studies, guest speakers, memorization, humor, individual

Learning Resources

Required Text (s)

- **Essential References**

- Flanagan SR, Zaretsky H, Moroz M. Medical Aspects of Disability: A Handbook for the Rehabilitation Professional. 4th Edition, Springer Publishing Company, 2011.
- Essentials of Cardiopulmonary Physical Therapy. (3rd

edition).

- Bampfylede,H. The pregnancy Beauty Bock Tiger bocks International, London, 1992.
- Wilder.E:Obstetrics and Gynacologic Physical Therapy, Churchill Living Stone,1988.

- Alan M J. toward a Common Language for Function, Disability and Health PHYS THER. 2006; 86:726-734.
- Taha A.K, Mohamed N.A. and *Archana Cardiovascular diseases in Saudi Arabia (PROM)
- Vol. 1(x), pp. 01-06, 2011
- Jette AM. Physical disablement concepts for physical therapy research and practice. Phys Ther. 1994; 74(5):11-18.

- **Recommended Journals**

- **Electronic Materials and Web Sites**

<http://www.who.int/en/>

<http://www.bing.com/search?q=youtube&FORM=AWRE>

Topics to be covered

List of Topics	Week due	Contact Hours
Dr. Rehab Farrag Gwada lectures		
- Establishment of ground rules - Overview of course intended learning outcomes - Students data base Announcement of students' presentations	1st weeks	3
- Explanation of Basic concepts of Impairments, Disability & Handicap as well as types of disability.	2nd weeks	3
- Pathology-physiology of common cardiovascular diseases: - Ischemic heart disease (IHD) - Atherosclerosis - angina pectoris - Irregular heartbeat (arrhythmia)	3rd week	3
Pathology-physiology of common pulmonary diseases: - Chronic obstructive pulmonary disease. - Restrictive lung disease	4 th , 5 th week	6
Selected Musculoskeletal pathologies: - Low back pain -	6 th week	3
- 1st Midterm exam	7 th week	2
Introduction to Burn and its rehabilitation	8th week	2

- Vocation	9th weeks	2
Dr. Nabila Tounsi lectures		
- Selected Neurological pathologies: - Spinal cord injury	10 th , week	3
- Stroke	11 th week	3
- Selected Integumentary pathologies: - - Acne - - Psoriasis	12 th	3
2nd Midterm exam	13th week	3
- Selected Woman's health disabling condition: selected topic for female section - Breast cancer related lymphedema,	14,15 th	6
- Normal labour & Caesarean section	16th	3
- Final Examination.	Final examination period	

Schedule of Assessment Tasks for Students During the Semester

Assessment task	Week due	Proportion of Final Assessment
Theoretical 1 st midterm Exam	7 th	20%
Theoretical 2nd midterm Exam	13 th	20%
Course work- -active participation during class time (5%). -Assignment written report and presentation & discussion 15% (10% & 5%)	Continuous evaluation	20%
Final theoretical Exam	19 th	40%

Required Assignments:

Week	Assignments	Evaluation	Week due
4th	Atherosclerosis	Written report (10%)	4th
5 th	Best evidence practice physical therapy for Restrictive lung disease	Presentation & discussion (5%)	5th
6th	Best evidence practice physical therapy for		6 th

	LBP		
8 th	Best evidence practice physical therapy for burned hand.		8th
10 th	Aesthetic physiotherapy		12 th
11 th	Best evidence practice physical therapy for women's urinary incontinence		15 th
12 th	Orthotics in rehabilitation		
13 th	Prosthetics in rehabilitation		

Criteria for evaluation :

Assignments/Independent learning through literature and library use. Students will be grouped and Choose to prepare a report on related Disability conditions (from previous topics explained in the syllabus) and prepare an ORAL PRESENTATION and WRITTEN REPORT (Approximate time for presentation per group will not be more than twenty minutes, written report will not exceed ten pages.)

Written report format: 12pts times new roman format, double space, excluding the cover and references pages.

Course rules :

- **Class Leader:**

Name:

The Class Leader will serve as the direct liaison between the course instructors and the students.

- **Duties of the Class leader:**
 - Ensure that all students' duties are assigned and completed as required.
 - Notify course instructor immediately when any student fails to complete a required component of the class.

- Serve as role model for the students and members in both manner and dress.
- Ensure that all students are aware and informed of their duties
- Ensure that both lab and classroom environment are always left in a neat and orderly fashion.

Students are expected to attend each session and be on time. Five percent of the overall course grade depends on Class Participation. Therefore, regular attendance is critical for doing well in this course. If you are absent in the class, make arrangements to obtain the notes from another students. Additionally, each student will be responsible for signing her name ONLY. If a student signs in for another, neither student will receive credit for that day

More comments for instructor :

Any disruptive activity (e.g. use of cell phones, side conversations) in the classroom is prohibited. If the instructor required disruptive students to leave the classroom, the student remains responsible for all the information and will be marked absent for the class session. The dean will impose sanctions for unprofessional behavior.

There will be **no bounce at the end of course.**