

# Research Projects for Test and Measures RHS 503

## Guidelines;

The main objective of this research project is to enhance the ability of student for free reading and to facilitate understanding of specific uses and implementation of outcome measurements (OMs) in clinical practice and research based on studying, summarizing and analyzing a high quality research paper(S)

- Independ research assignment a/project will be assigned to each student (Table 1).
- Each student independently will be required to submit projects related to uses of OMs in particular disorders (conditions) or related to boy parts.
- All students should complete their project and submit to the instructor by week 12-13.
- This project is worth **20 % of** your final grade.
- DO NOT** directly copy "TEXT" or "PARAGRAPH" from your handout/ research papers
- Late or incomplete projects will lose 5% point off the final grade (up to a maximum of 30% points) for each week it is handled in late (not including weekend).**

# Contents of Research Projects

## **Part A: Introduction: This part will be complete in (1-2pages).**

This part will include background and introductory about the selected medical condition and the outcome measures in either assessment or rehabilitation process

## **Part b: Instruments review: This part will be complete in (3-5pages).**

**Write a short introduction about your assigned research OMs covering the following;**

1. Name of measures
2. Developer
3. Purpose(s)
4. Description
5. Group (population) tested with this OMs
6. Language translations
7. Application/administrations procedures
8. Scoring system
9. Linking this OMs to the international classification of function (if possible)

## **Part c: The psychometric properties of OMs in specific disorders (conditions); This part will be complete in (3-5pages).**

Your mission for part B is to design summary and edit a short table from assigned research paper and you will extract the following data:

- 1.Type of Reliability estimates ,
- 2.Type of Validity estimates,
- 3.Typical Responsiveness estimates.
- 4.General population values (if applicable)

## **Part d: critical appraise evidence about OMs including**

Your mission for part d is to **make decision and draw conclusion** based on

1. Important questions to ask related to research validity and statistical approaches used
2. Discuss the consideration related to the application of evidence about OMs to individual patients/clients

## **Part f: Power Point presentation:**

Your mission for part D is to design, power point presentation, (30-45 minutes) on the use of the assigned project. You may be as creative as you like as long as to use the above information is clearly addressed in the presentation.

## *General Information to Write the Research Project*

**Introduction:** It should be initially clarified that the research paper should not have more than 5 pages for research paper, and should not have more than 12 pages for research project, did not included references and appendices.

**Arrangement will be as following;**

- 1) Cover Page
- 2) Table of Contents
- 3) List of figures (if available)
- 4) List of table ( if available)
- 5) List of abbreviations (if available)

*Part A: Introduction*

*Part b: Instruments review:*

*Part c: The psychometric properties of OMs in specific disorders (conditions)*

*Part d: critical appraise evidence about OMs including*

**References**

**Appendices**

**1-Cover page (English) should include the following**

The name of the institution where the research will be undertaken and its address

- Title of the research should in English
- Name of the student and his/her address and the name of supervisor.
- Degree that will be obtained (B Sc.)
- Date of academic year of the study program.

Please note that page numbers for preliminary material are written in small Roman numerals (e.g.,i,ii iii, iii, iv, v, etc.) that are centered at the bottom margin of the page. The Title Page counts as page i, but the number is not printed on the page.

For the main body of the paper, all pages are numbered with Arabic numerals in the lower right corner (on the right margin, from one-half to one inch from the bottom).

**Margin of the page;** one inch (normal margin)

**Font type:** Time New Roman

**Font size:** 12 for normal text and 14, 16, 18 for headings and subheading

**List of references:** Right reference like the following example

Regan MA, Teasell RW, Wolfe DL, Keast D, Mortenson WB, Aubut JL, for the Spinal Cord Injury Rehabilitation Evidence Research Team. A systematic review of therapeutic interventions for pressure ulcers after spinal cord injury. Arch Phys Med Rehabil 2009;90:213-31.

### **Projects and Students Groups**

<b>Groups</b>	Number of student	Project title
<b>A</b>	<b>2</b>	<b>Functional and exercise capacity Outcome Measure in chronic obstructive pulmonary diseases</b>
<b>B</b>	<b>2</b>	<b>Quality of Life Outcome Measures in chronic obstructive pulmonary diseases <u>or chronic hear failure</u></b>
<b>C</b>	<b>1</b>	<b>Patient-reported outcome measures for sleep disorders</b>

### **Projects and Students Groups**

<b>Groups</b>	Number of student	Project title
<b>A</b>	<b>1</b>	Health related quality of life in children with cerebral palsy
<b>B</b>	<b>1</b>	Functional activity outcome measures in children with cerebral palsy
<b>C</b>	<b>1</b>	<b>Hand function outcome measures in in children with cerebral palsy</b>



