

Course title: البحث الطبي الكمي **Quantitative Research for Medical Students**

Course number: 0510491

Credit hours: 3 credit hours

Semester: 1st, 2018/2019

Course Instructor: Jafar Alshraideh, Professor.

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The Research Proposal (30%)

Submission deadline: Sunday 2 December 2018

Students are required to write a research proposal as a group. Each group will consist of 6-7 students. Group names should be submitted to course instructor no later than Monday 24 September. Groups will be assigned with the course instructor for follow up and assessment of the proposal. The topic of the proposal needs to be approved by the instructor prior to start writing the proposal. Group members are assumed to work together and have equal and shared responsibilities in preparing and writing the proposal. All members are held accountable of the content and they should be able to give briefs on its content and defend it during evaluation session.

Usually, the proposal consists of the first three chapters or sections of a research report and includes references and appendices, and has the following elements:

1. Title page

It will have the title of proposal and names of all group alphabetically according to first name. Each group member will have brief description (1-2 sentences) of her/his contribution to the proposal next to their names.

2. Chapter/Section I. Introduction

The purpose of the research and statement of the problem are introduced, with background information substantiating the need for the study. It is essential to state why the problem is important. Terms and variables are defined conceptually and operationally.

Background

Problem and significance

Purpose

Research questions or Hypothesis

Definition of variables

3. Chapter/Section II. Review of the Literature

The literature review is related to the problem area. Relevant literature from medical and related fields are reviewed to show awareness of knowledge in the area, and to demonstrate that the researcher has considered a range of possibilities for investigating the problem. Review literature for the last 5-7 years and provide name of data bases and terms used in the search. At the end of literature review, provide summary of literature and show clearly how your study would extend previous findings.

4. Chapter/Section III. Methods

Design. Describe the research design and rationale for selection. Identify the variables in your study including steps taken to control for extraneous variables. Present the nature of any intervention/treatment to be administered, if any.

Setting. Describe where the study will be conducted.

Sample. Describe the study population, sampling technique and selection procedure, sample size, as well as any limitations related to sampling.

Instruments/measurement. Describe the research instruments (questionnaire, scale, and tool) for collecting data and their appropriateness to the research being conducted. Present information regarding their validity and reliability. Outline any other measurement that will be used, e.g., anthropometrics, clinical, physical, and biological.

Procedure. Describe in detail how you will conduct the study, protect the rights of participants, and obtain informed consent. Suggest a tentative schedule for the main steps of the investigation and describe data collection procedure/protocol in a step-by-step format.

Plan for Data Analysis. Describe the means by which the data will be analyzed and/or interpreted. Write your analysis plan for answering each research questions.

Limitations: Usually this is included in the discussion section of a research report. However, at this point, you don't have any results to discuss, so just include a discussion of potential limitations to the study (both methodological and theoretical), and the plan for communications of the findings.

5. References. List references cited in the text in APA format.

6. Appendices. Copies of questionnaires, interview guides, scoring instructions, letters of request to agencies for participation, consent form, instructions to be provided to subjects are included.

Note any restrictions that apply in reproducing established instruments; obtain permission if indicated.

7. FORMAT

Length: 10-12 pages, typewritten on a MS word processor, double spaced, proofread and corrected. References and appendices are not included in the 10-12 pages.

References: All ideas and conclusions which are not the students' original work or considered general knowledge must be cited and credited to the original source. Citation form must reflect the APA style 6th ed.

Sentence and paragraph structure must be grammatically correct and concise.

8. Submission and grading:

The proposal must be submitted in its final format to the course coordinator on **Sunday 2 December 2018 (both hard copy and soft copy by e mail is required) Soft copy through e mail should be in MS word format sent by group leader and cc all group members.**

The proposal will be assessed based on the up-written criteria and will be graded out of 30% of the total course marks. Each group will have to present and defend the proposal with the instructor. **Separate schedule for proposal evaluation and presentation will be announce in due time.**