

# ALMUSTAQBAL UNIVERSITY

## College of Health and Medical Techniques Medical Laboratories Techniques Department

Stage : Fourth year students

Subject : Research Methods - Lecture 9

Lecturers:

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## Accurate details about the graduation project



## What is a university graduation project?

The university graduation project is a research process carried out by students at the end of their academic path to obtain a university degree, especially a bachelor's degree. Students must implement a graduation project that reflects the extent of their understanding and application of the concepts and skills they acquired during their university studies in their various specializations. It is an important step to the students as they seek to identify a topic that interests them and apply the skills and knowledge they have acquired during their years of study to apply them to a real problem.

The graduation project can be in the form of:

- a) Thesis,
- b) Academic research,
- c) Designing and implementing a practical project that solves a real problem in the field of study that solve a specific problem in society.

## **The importance of graduation research**

### 1. Skills development:

Graduation research contributes to enhance students' abilities and prepares them for future tasks in academic and professional life.

### 2. Enhancing Knowledge:

Graduate research gives students the opportunity to enter a specific areas of knowledge and gain a deeper and broader understanding of the topics they study.

### 3. Career Guidance:

Graduation research can help students with their career guidance and identify their future interests and inclinations ميول, and thus can help them make informed decisions about their future career paths.

### 4. Recognition and excellence:

Graduation research is an opportunity for students to achieving recognition اعتراف as qualified professionals in their fields.

## **Graduation project objectives**

### **1. Developing research and analysis skills:**

It enhances students' ability to effectively conduct research and analyze data and information in a systematic and accurate manner.

### **2. Application of theoretical knowledge:**

It allows students to apply the concepts and knowledge they have acquired during their studies to solve a specific problem or conduct a specialized study in their field of specialization.

### **3. Developing practical work skills:**

The graduation project provides students with an opportunity to apply their practical and technical skills in a realistic environment, which contributes to improving their abilities and preparing them for the labor market.

### **4. Producing scientific contributions:**

The graduation project can contribute to the production of new knowledge or provide innovative solutions to specific problems in the field of study.

### **5. Improving communication skills:**

The graduation project helps students to improve their skills in effective communication and presenting results and conclusions clearly and convincingly.

# **How to start a graduation research project**

## **1. Choosing a topic:**

Find a topic that interests you and is compatible with your specialty and field of study.

## **2. Goal setting:**

Define your research goals clearly and precisely, and ensure that they are measurable and verifiable.

## **3. Review similar previous research**

Conduct an extensive search of available references on the topic, and review similar previous research to identify gaps in knowledge.

## **4. Develop a work plan:**

Determine the steps you will take to complete your project, and determine the timetable and resources required for each step.

## **5. Implementing the research:**

Begin implementing the identified action plan, carefully collect data, analyze it, and interpret the results.

## **6. Writing the report:**

Write your report in an organized and logical manner, presenting the results and conclusions clearly and comprehensively, and do not forget to document the references carefully.

## **How to get an idea for a graduation project**

1. Explore your interests
2. Consult your supervisor or faculty
3. Explore gaps in knowledge
4. Search for innovative ideas
5. Benefit from previous experiences
6. Listening to others

## **How to write a graduation project**

### **Section One: Introduction.**

Start by introducing the topic of the project and its importance, specify the goals and principles on which the project is based, and introduce the reader to the research plan and its general structure.

### **Section Two: Literature Review**

Review the available literature on the project topic, and extract important findings from previous studies.

### **Section Three: Research Methodology**

Specify a description of the method used to conduct the research and describe the steps taken to collect and analyze the data.

### **Section Four: Data Analysis and Results**

Present the main results reached through data analysis, and analyze and interpret the results accurately and logically.

## **Section Five: Conclusions and Recommendations**

The main results of the research should be summarized, and come to conclusions and recommendations based on the results and analysis.

## **Section Six: References**

Write a list of references used in the research in a specific format such as APA or MLA.

**Appendices**, if any. If there are additional data or attachments that help you understand the project, put them in the attachments.

# **Graduation research summary**

To write a summary of your graduation research, the summary must include the following main points:

**Topic and Objective:** Begin the summary by defining the research topic and its main objective.

**Research Methodology:** Briefly describe the method that was used to conduct the research and collect the data.

**Results:** Point out the most important findings of the study in a brief and clear manner.

**Conclusions:** Present your main conclusions based on the results reached.

**Recommendations:** Briefly state any recommendations based on the findings and conclusions.

The abstract must be brief and concise, and cover the main aspects of the project completely. It is preferable not to exceed 200-300 words and be written in a clear and simplified style to make it easy for the reader to quickly understand the most important points of the research.