

Course Overview

Introduction to Graduation Project

Course code :	GMT 701
Course title:	Introduction to Graduation Project
Level/semester:	Seventh Semester
PRECEDING COURSES	- Scientific Research Methods
Credit hours: 1	Theoretical: 1
	Practical: -

Content Overview:

This course is offered to the students of 7th semester Medical Technology. The course is of 12 credit hours.

During this semester students select their research projects and start working on it , spend substantial time to obtain relevant information through literature search. They also start collecting the required samples and performing practical research work.

Students take series of lectures on research methodology. Each lecture is of two hours duration per week that also includes an introduction on research ethics on humans and animals and the process of obtaining ethical approval.

Students are also trained for preparation of their presentation for final examination and do rehearsal before examination. Finally, each group of students are asked to prepare their research work to be presented at the University Student Conference.

Course Objectives:

By the end of this course, students will be able to:

1. *Recognize* the importance of research in biomedical field.
2. *Familiar* with research ethics and the general process of obtaining ethical approval for their study if applicable.
3. *Recognize* the importance of literature search and various resources and methods to acquire desired information for their research.
4. *Differentiate* various types of study designs, sampling methods and choose appropriate techniques required to achieve the objectives of their research.

5. *Define* several data collection and data analysis methods including biostatistical methods.
6. *Develop* scientific writing skills and use department research guidelines for preparing, formatting and submission of a thesis.
10. *Demonstrate* skills in preparation of research presentation for final examination and discussion.