

Course Syllabus of Graduation project

Faculty: Medicine and Health Sciences

Department: Health Sciences

Program: Bachelor in Radiology Technology and Medical Imaging

I. General information about the course instructor :

Name	Dr.Ibrahim AL-Sabal	Office Hours(3 Hours Weekly)					
Location & phone number	4178	Sat	Sun	Mon	Tue	Wed	Thu
Email	i.alsabal@ust.edu	-	1	-	-	1	1

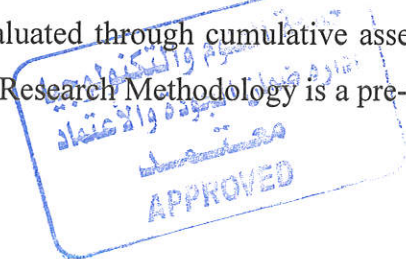
II. General information about the course:

1.	Course Title:	Graduation project				
2.	Course Code and Number:	BMI424				
3.	Credit Hours :	Lecture	Seminar/Tutorial	Practical	Training	Total
		-	-	1	-	1
4.	Study Level and Semester:	4 th year – 2 nd semester				
5.	Pre-requisites:	BUST09				
6.	Co-requisites:	None				
7.	Program in which the course is offered	Bachelor in Radiology Technology and Medical Imaging				
8.	Teaching Language:	English				
9.	Instruction location:	University of Science and Technology, Sana'a ,Yemen				

III. Course Description :

Graduation project provides students with opportunities to implement the skills gained during previous courses studied in the program toward providing an information or solution to particular related problems. In this course, the student is expected to propose, conduct a thorough investigation of a particular medical-related problem, collect data, analyze, and present the results of research-based project. This course integrates all what has been taught in research design and biostatistics into the completion of a self-directed supervised group project focused on a Radiology Technology and Medical Imaging -related research task. The student will deliver oral presentations and written reports.

The course is based on orientation, seminars, self-directed reading, regular meetings, group discussion, practical applications and role playing. The students will be evaluated through cumulative assessment by supervisor, reports, final written report and final presentation. Research Methodology is a pre-request course.



عميد الكلية:
د. عبد الله المخلافي

رئيس القسم:
د. عبد الحبيب القباطي

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المراجع:
د. مهدي القروائي
د. حمود الخطيب

الموصف:
د. ابراهيم السبل
د. امين الفلاحي

IV. Course aims: This course is aimed to:

1. Provide the Radiology Technology and Medical Imaging students the knowledge and skills needed to synthesize a research question.
2. Acquire the student ability to work independently and as part of a team with colleagues and supervisors.
3. Demonstrate the level of students effectiveness during documents writing, delivering oral presentations and interpreting results.
4. Enable the students to conduct a scientific research.
5. Enable the students to analyze the problem and develop an initial solution and recommendations.

V. Course Intended Learning Outcomes (CILOs) :

1. Identify different research designs with its uses and its advantages and disadvantages.
2. Summarize the steps of research and the requirements for each step.
3. Predict the suitable research methodology.
4. Integrate the basic concepts of research methodology, biostatistics , epidemiology, diseases into research project.
5. Perform all the research activities in a good manner.
6. Modify any required amendments according to directions of the research supervisor.
7. Observe the patient rights and ethical issues in the research
8. Work effectively within a team during performance the research and use computer and data management and presentation throughout the research.

VI. Course topics and sub-topics (theoretical and practical) with contact hours and alignment to CILOs

Topics/Units of Course Contents

No.	Course Topics/Units	Sub-topics	Week due	Contact Hours
1	Graduation project orientation	- Introduction - Expected results - Relevant concepts - Assessment	1 st	2
2	Project concept stage	- Meeting with supervisor - Brainstorming to get idea.	2 nd	2
3	Submission of project proposal	- Proposal submitted to the supervisor	3 rd	2
4	Approval of projects	- The decision of research supervisor	4 th	2
5	Carrying out research activities	- The period of actual carrying out of project studies	5 th – 14 th	20
6	Final report submission		15 th	2
7	Presentation of research and discussion		16 th	2
Total number of weeks and hours			16	32

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المراجع :
د. مهدي القرواني
د. حمود الحبابي

الموصف :
د. ابراهيم السبل
د. امين الفلاحي