Course Specification

(Postgraduate)

Course Title:	**Research Methods I: Building a Proposal**
Course Code:	**373508-2**
Program:	**Master of Clinical Laboratory Sciences in Molecular Diagnostics** **Master of Clinical Laboratory Sciences in Diagnostic Hematology** **Master of Clinical Laboratory Sciences in Applied Cytology Techniques**
Department:	**Clinical Laboratory Sciences**
College:	**Applied medical Sciences**
Institution:	**Taif University**
Version:	**No 3**
Last Revision Date:	**18/01/2024**

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A. General information about the course:

1. Course Identification:

1. Credit hours: (2 hrs)				
2. Course type				
A.	☐ University	☐College	☒ Department	☒ Track
B.	☒ Required		☐Elective	
3. Level/year at which this course is offered: (2nd level/1st year)				
4. Course general Description:				
This course provides students with the opportunity to build their proposals – either for their theses and dissertations or for their grant application – beginning with developing a significant research problem, phrasing appropriate research questions and/or hypotheses, and articulating them with suitable theoretical and philosophical paradigms. This course also aims to enhance the student's ability to analyze, abstract and critique relevant previous studies to create different types of literature reviews. Students will be required to select the most appropriate research design and prepare a well-organized plan for subsequent methodological and empirical phases.				
5. Pre-requirements for this course (if any)**:**				
None				
6. Pre-requirements for this course (if any)**:**				
None				
7. Course Main Objective(s):				
Provides students with the opportunity to build their proposals – either for their theses and dissertations or for their grant application.				

2. Teaching Mode: (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2 hours /week= 30 hours/semester	100
2	E-learning	N/A	0
3	Hybrid • Traditional classroom • E-learning	N/A	0
4	Distance learning	N/A	0

3. Contact Hours: (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	30
2.	**Laboratory/Studio**	N/A
3.	**Field**	N/A
4.	**Tutorial**	N/A
5.	**Others (specify)……**	N/A
	Total	30

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	**Recognize types of proposal and basic components of a proposal**	**K2**	**Lectures and small group discussion**	**Ongoing activities**
2.0	**Skills**			
2.1	**Develop a research problem that has a significance in molecular diagnosis practice**	**S1**	**Lectures and small group discussion**	**Ongoing activities**
2.2	**Select an appropriate design for the proposed research problem**	**S1**	**Lectures and small group discussion**	**Ongoing activities**
2.3	**Develop a research plan for the subsequent empirical and analytic phases of the research process**	**S1**	**Lectures and small group discussion**	**Ongoing activities**
3.0	**Values, autonomy, and responsibility**			
3.1	**Demonstrate ethical awareness and ability to do ethical reflection.**	**V3**	**Lectures and small group discussion**	**Final proposal/ Individual presentation**

C. Course Content:

No	List of Topics	Contact Hours
1.	Introduction	2
2.	Selecting a Research Topic	4
3.	Project Planning	4
4.	Identifying Funding Sources	2
5.	Writing a Proposal	8
6.	Research Ethics and Responsibilities	2
7.	Proposal application and Follow up on a Decision	2
8.	Managing a Research Project	4
9.	Proposal review process	2
Total		**30**

D. Students Assessment Activities:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Ongoing activities e .g indivialual presentations	Through the semester	60%
2.	Submitting a proposal	19th	40%
	Total		100%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities:

1. References and Learning Resources:

Essential References	N/A
Supportive References	N/A
Electronic Materials	International Journal of Medical Science and Innovative Research Saudi Digital Library
Other Learning Materials	N/A

2. Educational and Research Facilities and Equipment Required:

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classrooms and Laboratories

Items	Resources
Technology equipment (Projector, smart board, software)	Data show, Blackboard and A/V, interactive presentations softwares e.g. Mendeley
Other equipment (Depending on the nature of the specialty)	None

F. Assessment of Course Quality:

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Peer evaluators	Direct: Peer evaluation
Effectiveness of student's assessment	Students	Indirect: Questionnaire Survey at the end of each semester.
Quality of learning resources	Program Leaders /Teaching staff/ Development and accreditation committee	Indirect: Review by Department Committee
The extent to which CLOs have been achieved	Program Leaders /Teaching staff/ Development and accreditation committee	Indirect: Review course reports and program annual reports by Department Committee
Other	-	-

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval Data:

COUNCIL /COMMITTEE	Department council
REFERENCE NO.	06
DATE	**21/01/2024**