

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Research Project (Clinical Audit)
Course number	MDCN6424
Faculty	
Department	
Course type	Major Needs
Course level	6
Credit hours (theoretical)	4
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

- 1 - Develop research skills and competencies necessary for independent inquiry and critical evaluation of scientific literature
- 2 - Apply theoretical knowledge and practical techniques to design and conduct a research project in a specific area of interest.
- 3 - Communicate research findings effectively through written reports, oral presentations, and scientific posters.

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * Comprehend the research process, including hypothesis formulation, literature review, study design, and statistical analysis. * Understand ethical considerations in research, including informed consent, data protection, and adherence to research protocols. * Gain knowledge in the specific area of research focus, including relevant theories, concepts, and current evidence in the field. * Design and execute a research project, including data collection, analysis, and interpretation of findings. * Synthesize research findings and effectively communicate them through written reports, oral presentations, and scientific posters.
Intellectual Skills	<ul style="list-style-type: none"> * Critically evaluate scientific literature, identify research gaps, and formulate research questions or hypotheses.
Professional Skills	<ul style="list-style-type: none"> * Demonstrate proficiency in research methodologies, including study design, data collection, analysis, and interpretation. * Apply ethical principles in the conduct of research, including protection of human subjects and maintenance of data confidentiality. * Collaborate effectively with faculty mentors and research teams, demonstrating professionalism and teamwork in a research setting.

Course Contents

- 1 - Research Methodology
- 2 - Ethical Considerations in Research
- 3 - Data Collection and Analysis
- 4 - Research Project Planning and Execution
- 5 - Research Findings Communication
- 6 - Research Project Mentoring and Reflection

Teaching and Learning Methods

- 1 - Research methodology lectures
- 2 - Mentorship and supervision
- 3 - Workshops and seminars
- 4 - Research proposal development
- 5 - Progress presentations and discussions

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Research project presentation	End of graduation year	100

Books and References

Recommended books	"How to Read a Paper: The Basics of Evidence-Based Medicine" by Trisha Greenhalgh "Clinical Epidemiology: The Essentials" by Robert H. Fletcher, Suzanne W. Fletcher, and Grant S. Fletcher "Introduction to Research: Understanding and Applying Multiple Strategies" by Elizabeth DePoy and Laura N. Gitlin
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