

INSTITUTE	FACULTY OF PHARMACY
PROGRAM	MASTER OF PHARMACY (PHARMACEUTICS)
SEMESTER	4
COURSE TITLE	RESEARCH WORK AND COLLOQUIUM
COURSE CODE	13MC0403
COURSE CREDITS	16

Course Outcomes: After completion of this course, student will be able to:

- 1 Develop advanced research skills through the exploration of relevant literature, data collection, and analysis, culminating in a well-documented research paper.
- 2 Acquire proficiency in presenting and defending research findings through engaging colloquium presentations, fostering effective communication and critical thinking abilities.
- 3 Foster collaboration and interdisciplinary learning by actively participating in research discussions, providing constructive feedback, and engaging with peers to enhance understanding and knowledge in various fields of study.

Pre-requisite of course: Nil

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
0	0	32	0	0	0	400	0

Contents : Unit	Topics	Contact Hours
Total Hours		

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
Total Hours		

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery

Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
10.00	20.00	25.00	25.00	10.00	10.00

Instructional Method:

- 1 Research Work:**

 - a. Familiarize yourself with the research topic: Understand the subject matter and objectives of your research thoroughly.
 - b. Conduct a literature survey: Gather information from authenticated sources such as research papers, books, journals, and credible online resources relevant to your research topic.
 - c. Identify the research problem: Clearly define the research problem you aim to address in your study.
 - d. Develop a research proposal: Design a comprehensive research proposal that outlines the objectives, methodology, timeline, and expected outcomes of your research.
 - e. Consider cost-effectiveness: Evaluate the financial aspects of your research, including budgeting for necessary resources and potential funding sources such as research grants.
 - f. Select appropriate research methods: Determine the most suitable research methods (quantitative, qualitative, questionnaire-based, etc.) to collect data for your study.
 - g. Document your research: Maintain organized and accurate documentation throughout the research process, including data collection, analysis, and interpretation.
 - h. Analyze research results: Utilize biostatistics techniques to analyze your research findings and assess their significance through various comparison methods.
 - i. Write your thesis: Follow guidelines for thesis writing, starting from the abstract to references. Ensure proper formatting and adherence to academic standards.
 - j. Prepare for presentation: Develop skills for effectively presenting your research, whether orally or through poster presentations. Practice presenting your findings in a clear and concise manner.
- 2 Colloquium:**

 - a. Prepare a presentation: Create a well-structured presentation summarizing your research work, highlighting the key objectives, methods, findings, and conclusions.
 - b. Focus on clarity and coherence: Ensure that your presentation is clear, concise, and coherent. Use appropriate visual aids and support your statements with evidence from your research.
 - c. Engage the audience: Make your presentation interactive by encouraging questions and discussions from the audience. Be prepared to provide further explanations and clarify any doubts.
 - d. Practice your presentation: Rehearse your presentation multiple times to improve your delivery and time management. Pay attention to your body language, voice modulation, and overall presentation skills.
 - e. Seek feedback: Request feedback from peers, mentors, or instructors to further refine your presentation. Consider incorporating their suggestions and making necessary improvements.
 - f. Be open to discussions: Participate actively in the colloquium by engaging in discussions with other researchers and attending their presentations. Exchange ideas, ask questions, and provide constructive feedback to contribute to the research community. Remember, both the research work and the colloquium are valuable opportunities to showcase your research skills and contribute to the academic discourse. Approach them with dedication, thoroughness, and a willingness to learn and grow as a researcher.