

<b>INSTITUTE</b>	<b>FACULTY OF PHARMACY</b>
<b>PROGRAM</b>	<b>MASTER OF PHARMACY (PHARMACEUTICAL QUALITY ASSURANCE)</b>
<b>SEMESTER</b>	<b>4</b>
<b>COURSE TITLE</b>	<b>RESEARCH WORK AND COLLOQUIUM</b>
<b>COURSE CODE</b>	<b>13MQ0403</b>
<b>COURSE CREDITS</b>	<b>16</b>

**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

<b>Theory Hours</b>	<b>Tutorial Hours</b>	<b>Practical Hours</b>	<b>ESE</b>	<b>IA</b>	<b>CSE</b>	<b>Viva</b>	<b>Term Work</b>
0	0	32	0	0	0	400	0
<b>Contents : Unit</b>	<b>Topics</b>						<b>Contact Hours</b>
<b>Total Hours</b>							

#### Suggested List of Experiments:

<b>Contents : Unit</b>	<b>Topics</b>	<b>Contact Hours</b>
<b>Total Hours</b>		

#### 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
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<b>Remember / Knowledge</b>	<b>Understand</b>	<b>Apply</b>	<b>Analyze</b>	<b>Evaluate</b>	<b>Higher order Thinking / Creative</b>
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.
- 3 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.