

<b>INSTITUTE</b>	<b>FACULTY OF SCIENCE</b>
<b>PROGRAM</b>	<b>MASTER OF SCIENCE (MICROBIOLOGY)</b>
<b>SEMESTER</b>	<b>4</b>
<b>COURSE TITLE</b>	<b>DISSERTATION PROJECT</b>
<b>COURSE CODE</b>	<b>02MB0552</b>
<b>COURSE CREDITS</b>	<b>18</b>

**Objective:**

- 1 The objectives of this course are to prepare the students to adapt to the research environment and understand how projects are executed in a research laboratory. It will also enable students to learn practical aspects of research and train students in the art of analysis and thesis writing.

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

- 1 Capability to critically and systematically integrate knowledge to identify issues that must be addressed within framework of specific thesis.
- 2 Ability to perform analytical techniques/experimental methods and to conduct research independently.
- 3 Project management and report writing skills.
- 4 Communication and interpersonal skills.

**Pre-requisite of course:** The objectives of this course are to prepare the students to adapt to the research environment and understand how projects are executed in a research laboratory. It will also enable students to learn practical aspects of research and train students in the art of analysis and thesis writing.

**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	36	0	0	0	150	300
<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>
1	<b>Dissertation Project</b> Dissertation Project	
<b>Total Hours</b>		

**Textbook :**

- 1 How to Do Your Research Project: A Guide for Students, Gary Thomas, SAGE Publications Ltd, 2017

**References:**

- 1 A Guide to Research Methodology Book A Guide to Research Methodology, A Guide to Research Methodology Book A Guide to Research Methodology, Shyama Prasad Mukherjee, Taylor and Francis, 2019

**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 and evaluation					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
20.00	20.00	30.00	15.00	10.00	5.00

**Supplementary Resources:**

- 1 [https://www.youtube.com/watch?v=Gv6\\_HuCYExM](https://www.youtube.com/watch?v=Gv6_HuCYExM)
- 2 <https://www.youtube.com/watch?v=UY7sVKJPTMA>
- 3 <https://www.youtube.com/watch?v=kqFiCj1XV-E>