

**Ph.D. Mathematics PROGRAMME**

**1 Semester Course Work**

**List of the Courses**

Sl No	Name of the Course	Semester	Course Code	Credit	Marks in the Course	Name of the Programme	Programme Code	Course outcome	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Introdcution year of new course	BoS Date	Percentage of Revision	BoS Date
1	Commutative Algebra I	1	PDMTMP1	4	50	Ph.D. in Mathematics	PDMTM	This course will introduce the research scholar to one advanced course that will be read in such a way that the research issues and problems may be identified.	<p>Skill development : Analytical and reasoning skills are developed by group discussion or free participation of students related to nontrivial problems in class. Also, they develop skills to identify and attack research problems.</p> <p>Employability : Class room discussions, problem solving sessions helps them to stress on the important areas, which in turn improves their skills for Teaching jobs at College and University Level.</p>	2016-17	05.12.2015		

2	Topics from Algebraic Geometry	1	PDMTMP2	4	50	Ph.D. in Mathematics	PDMTM	This course will introduce the research scholar to one advanced course that will be read in such a way that the research issues and problems may be identified.	<p>Skill development : Analytical and reasoning skills are developed by group discussion or free participation of students related to nontrivial problems in class. Also, they develop skills to identify and attack research problems.</p> <p>Employability : Class room discussions, problem solving sessions helps them to stress on the important areas, which in turn improves their skills for Teaching jobs at College and University Level.</p>	2016-17	05.12.2015		
3	Commutative Algebra II	1	PDMTMP3	4	50	Ph.D. in Mathematics	PDMTM	This course will introduce the research scholar to one advanced course that will be read in such a way that the research issues and problems may be identified.	<p>Skill development : Analytical and reasoning skills are developed by group discussion or free participation of students related to nontrivial problems in class. Also, they develop skills to identify and attack research problems.</p> <p>Employability : Class room discussions, problem solving sessions helps them to stress on the important areas, which in turn improves their skills for Teaching jobs at College and University Level.</p>	2016-17	05.12.2015		

4	Research Methodology & Computer Applications & Research Ethics	1	PDMTMP4	4	50	Ph.D. in Mathematics	PDMTM	The course will introduce the researchers with the requisite methodology to do research in literature related to his field of research. It will further make them aware of different publication rules and techniques that make a quality research paper. The training in this course will also make them learn to identify the research questions.	Skill development : Students develop skills to use various computer softwares required to support their research. Also, they learn Research ethics and how to present their research works at par with international standards.	2016-17	05.12.2015	30	27.12.2017
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