

Courses

The candidates, who have not been exposed to subjects of Agriculture in their Master degree programme shall have to take prescribed courses on Introductory Agriculture of 36 credits in the first year during their Ph.D. programme. The trimester wise distribution of courses for Ph.D. programme will be

I TRIMESTER

		L	P
CA 502	INTRODUCTION TO COMPUTER APPLICATION	1	1
CA 551	MATHEMATICAL FOUNDATIONS IN COMPUTER APPLICATION	4	0
CA 552	COMPUTER ORIENTED NUMERICAL METHODS	2	1
CA 560	COMPUTER ORGANIZATION AND ARCHITECTURE	3	0
CA 561	PRINCIPLES OF COMPUTER PROGRAMMING	2	1
CA 565	COMPILER CONSTRUCTION	2	1
CA 569	WEB TECHNOLOGIES AND APPLICATIONS	2	1
CA 570	COMPUTER GRAPHICS	2	1
CA 575	ARTIFICIAL INTELLIGENCE	2	1
CA 611*	DESIGN AND ANALYSIS OF ALGORITHMS	2	1
CA 621*	ADVANCES IN DATA MINING	2	1
CA 691	SEMINAR	1	0

II TRIMESTER

CA 501	COMPUTER FUNDAMENTALS AND PROGRAMMING	3	1
CA 562	OBJECT ORIENTED ANALYSIS AND DESIGN	2	1
CA 564	DATA STRUCTURES AND ALGORITHMS	2	1
CA 566	DATA BASE MANAGEMENT SYSTEM	2	2
CA 568	SOFTWARE ENGINEERING	2	0
CA 572	GIS AND REMOTE SENSING TECHNIQUES	2	1
CA 573	DATA WAREHOUSING	2	1
CA 574	MULTIMEDIA AND APPLICATIONS	1	1
CA 577	DATA MINING AND SOFT COMPUTING	2	1
CA 578	INFORMATION SECURITY	2	1
CA 612*	FUZZY SETS AND ROUGH SETS	2	1
CA 691	SEMINAR	1	0

III TRIMESTER

CA 503	STATISTICAL COMPUTING IN AGRICULTURE	1	2
CA 563	OPERATING SYSTEM	2	1
CA 567	COMPUTER NETWORKS	2	1
CA 571	MODELING AND SIMULATION	2	1
CA 613*	ARTIFICIAL NEURAL NETWORKS	2	1
CA 614*	KNOWLEDGEBASE SYSTEMS FOR SEMANTIC WEB	2	1
CA 622*	ADVANCES IN DATA WAREHOUSING	2	1
CA 691	SEMINAR	1	0

Core Courses:-

M.Sc.: CA 552, CA 560, CA 561, CA 562, CA 563, CA 564, CA 565, CA 566, CA 567 and CA 568

Ph.D.: CA 571, CA573,CA575,CA577,CA611. Core Courses prescribed for M.Sc. if not taken already during MCA/M.Sc./M.Tech./ME shall also have to be taken.