

## Department of Mathematics and Computer Applications

### SEMESTER I

SLNO	CATEGORY	COURSE CODE	COURSE TITLE
1	DSC	UK1DSCMAT100	Foundations of Mathematics
2	DSC	UK1DSCCAP105	Web Designing using HTML
3	DSC	UK1DSCCAP100	Fundamentals of IT and Computer
4	MDC	UK1MDCMAT100	Numerical Ability I
5	MDC	UK1MDCCAP101	Introduction to IT

### SEMESTER II

SLNO	CATEGORY	COURSE CODE	COURSE TITLE
1	DSC	UK2DSCMAT106	Linear Algebra & Graph Theory
2	DSC	UK2DSCCAP100	Object Oriented Programming using C++
3	DSC	UK2DSCCAP101	E-Commerce
4	MDC	UK2MDCMAT100	Numerical Ability II

### SEMESTER III

SLNO	CATEGORY	COURSE CODE	COURSE TITLE
1	DSC	UK3DSCMAT212	Vector Calculus
2	DSC	UK3DSCCAP202	Principles of Secure Coding
3	DSC	UK3DSCCAP203	Modern Information System
4	DSE	UK3DSEMAT203	Probability Theory
5	VAC	UK3VACMAT201	Project Management & Game Theory

### SEMESTER IV

SLNO	CATEGORY	COURSE CODE	COURSE TITLE
1	DSC	UK4DSCMAT201	Partial Differentiation & Introduction to Abstract Algebra
2	DSC	UK4DSCCAP203	Python Programming
3	DSE	UK4DSECAP201	Python for Data Analytics
4	SEC	UK4SECMAT201	Numerical Methods
5	VAC	UK4VACMAT200	Introduction to Mathematical Modeling

## SEMESTER V

SLNO	CATEGORY	COURSE CODE	COURSE TITLE
1	DSC	UK5DSCMAT301	Fundamentals of Real Analysis I
2	DSC	UK5DSCMAT302	Abstract Algebra
3	DSC	UK5DSCCAP303	Operating System
4	DSE	UK5DSEMAT303	Optimization Techniques
5	DSE	UK5DSECAP300	Cryptography and Network Security
6	SEC	UK5SECCAP302	Web Application Development

## SEMESTER VI

SLNO	CATEGORY	COURSE CODE	COURSE TITLE
1	DSC	UK6DSCMAT301	Complex Analysis I
2	DSC	UK6DSCCAP300	Machine Learning
3	DSC	UK6DSCCAP304	Cloud Computing
4	DSE	UK6DSEMAT305	Fuzzy Mathematics
5	DSE	UK6DSECAP301	Mobile and Wireless Security
6	SEC	UK6SECMAT300	Programming with R