

SCHEME OF B.Sc. (HONS) MATHS 2019-22

Sem	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	GP	Comm. services	Cont hrs	Credits
I	MAL 101 Calculus and Geometry 3-1-0(4)	MAL 103 Intro to Probability 3-1-0(4)	MAL 105 Algebra I 3-1-0(4)	CLL 101 Effective Comm.-I 1-0-2 (2)	CHL100 EVS 3-0-0 (3)	Foreign Language Elective (1-2-0)3	MAR 100 (1)		21	21
II	MAL 102 Analysis I 3-1-0(4)	MAL 104 Differential Equations I 3-1-0(4)	MAL 108 Algebra II 3-1-0(4)	SML 150 Leadership 2-1-0(3)	CLL 102 Effective Comm.-II 1-0-2 (2)	CLL 120 Human Values (2-0-0)2	MAR 110 (1)		20	20
III	MAL 201 Analysis II 3-1-0(4)	MAL 203 Differential Equations II 3-1-0(4)	MAL 205 Algebra III (3-1-0) 4	MAL 207 Operations Research (3-1-0) 4	Open Elective I 3 (3)		MAR 200 (1)	MAS 200 CS- III (70 hrs)	19	20
IV	SML300 Entrepreneurship 2-1-0 (3)	MAL 206 Mathematical Statistics 3-1-0(4)	MAL 308 Linear Algebra (3-1-0) 4	Prog. Elective II 3-0-2 (4) (Image Processing./ DBMS. / Data Visual. Tech.)	Prog. Elective I 3-0-2 (4) (Lin. Prog/Math. Modelling/ Data Struc. Algos	Open Elective II 3 (3)	MAR 210 (1)	MAS 200 CS- IV (70 hrs)* (2 Crdt)	24	25
V	MAL 321 Mathematical Methods 3-1-0(4)	MAL 310 Numerical Analysis 3-0-2 (4)	MAL316 Data Analysis (3-0-2) 4	Prog. Elective III (MOOC) 3-0-2 (4) (Mechanics/ Statis. Modeling./ Number theory)	Open Elective III 3 (3)		MAR 300 (1)	MAS 300 CS-V	22	20
VI	MAL 311 Intro. to Complex Analysis 3-1-0(4)	MAL 313 Integral & Vector Calculus 3-1-0(4)	Prog. Elective IV (MOOC) 3-0-2 (4) (Financial Maths/ Metric Space./ Predictive Analytics	Open Elective IV 3 (3)	MAD 350 Project (0-0-6)3	Creativity and innovation outcome (1) MAL 320	MAR 310 (1)	MAS 300 CS-VI (140 hrs) (2 Crdt)	16	22
	Total								122	128

*Students can utilize the entire year including the summer/break period for completing 140 community service hours.