PAM Modules available on CATS

Mathematics

Level 4

Module Title	Module Code	Credit Points	Language of Delivery	% Examination	% Coursework	% Practical	Semesters
Mathematical Techniques 1	4PAM1034	30	English	50	50	0	AB
Linear Algebra	4PAM1036	15	English	70	30	0	A
Financial and Actuarial Mathematics	4PAM1030	15	English	0	100	0	A
Numbers and Sets	4PAM1040	15	English	80	20	0	B
Applications of Mathematics	4PAM1042	15	English	0	100	0	B
Applications of Computing	4PAM1044	15	English	0	100	0	B

Level 5

Module Title	Module Code	Credit Points	Pre-req	Language of Delivery	% Examination	% Coursework	% Practical	Semesters
Mathematical Techniques 2	5PAM1022	15	4PAM1034	English	80	20	0	A
Real Analysis	5PAM1031	15	4PAM1040	English	80	20	0	B
Differential Equations	5PAM1032	15	4PAM1034	English	80	20	0	B
Programming	5PAM1023	15	4PAM1044	English	0	100	0	A
Algebra	5PAM1028	15	4PAM1040	English	80	20	0	A
Number Theory	5PAM1026	15	4PAM1040	English	70	30	0	A
Dynamics	5PAM1024	15	4PAM1034	English	70	30	0	B
Numerical Methods	5PAM1029	15	4PAM1044	English	80	20	0	B
Financial Markets and Portfolio Theory	5PAM1030	30	4PAM1034 4PAM1030	English	60	40	0	AB

Level 6

Module Titles	Module Code	Credit Points	Pre-req	Language of Delivery	% examination	% coursework	% Practical	Semesters
Partial Differential Equations	6PAM1023	15	5PAM1032	English	80	20	0	A
Linear Optimisation	6PAM1024	15	4PAM1034	English	80	20	0	A

Further Algebra	6PAM1025	15	5PAM1028	English	50	50	0	A
Dynamics and Geometry	6PAM1026	15	5PAM1022	English	80	20	0	A
Further Numerical Methods	6PAM1027	15	5PAM1029	English	80	20	0	B
Nonlinear Optimisation	6PAM1028	15	5PAM1022 5PAM1029	English	80	20	0	B
Combinatorics	6PAM1029	15	4PAM1040	English	80	20	0	B
Nonlinear Systems	6PAM1030	15	4PAM1034	English	80	20	0	B
Complex Analysis	6PAM1020	15	5PAM1031	English	80	20	0	A
Financial Mathematics & Derivative Pricing	6PAM1031	30	5PAM1030	English	60	40	0	AB
Investigations in Mathematics	6PAM1021	15	-	English	0	100	0	B
Investigations in Financial Mathematics	6PAM1022	15	-	English	0	100	0	A

Physics and Astrophysics

Level 4

Module Title	Module Code	Credit Points	Language of Delivery	% Examination	% Coursework	% Practical	Semesters
Contemporary Physics	4PAM0009	30	English	60	40	0	AB
The Physical Universe	4PAM1013	30	English	60	40	0	AB

Level 5

Module Title	Module Code	Credit Points	Pre-req	Language of Delivery	% Examination	% Coursework	% Practical	Semesters
Programming	5PAM1023	15	4PAM1044	English	0	100	0	A
Quantum Physics	5PAM0027	15	4PAM0009	English	60	40	0	B
Thermal and Condensed Matter Physics	5PAM0013	30	4PAM0009 Or 4PAM1013	English	80	20	0	AB
Optical Physics & Electromagnetism	5PAM0026	30	4PAM0009 Or 4PAM1013	English	60	40	0	AB
Solar System Physics	5PAM0025	30	4PAM0009	English	60	40	0	AB

			Or 4PAM1013					

Level 6

Module Title	Module Code	Credit Points	Pre-req	Language of Delivery	% Examination	% Coursework	% Practical	Semesters
Computational Physics	6PAM1004	15	4PAM0023	English	0	100	0	A
Contemporary Quantum Physics	6PAM1007	15	5PAM0027	English	0	100	0	B
Waves & Fluids	6PAM0014	30	5PAM0026	English	60	40	0	AB
Space Dynamics	6PAM0027	15	4PAM0023	English	0	100	0	B
Physics of Stars	6PAM0015	30	5PAM0013	English	60	40	0	AB
Cosmology and Large Scale Structure	6PAM1001	30	5PAM0025	English	60	40	0	AB
Investigations in Physics	6PAM1016	15		English	0	100	0	B