

Total Workload of Mathematics Program

		Credit		Contact	Hours	Self-Study	Other	Total
Course name	Course Code	ECTS	NCCCA	Lecture	Tutorial			
English Language 1	PENG 111	11 cp	8 ch	30	90	200	40	360 ch
Introduction to Mathematics 1	PMTH 112	3 cp	2 ch	30		80	10	90 ch
Computer Skills	PCOM 113	3 cp	2 ch	15	15	30	15	75 ch
Communication and Education Skills	PSSC 114	3 cp	2ch	15	15	30	15	75 ch
English Language 2	PENG 121	10 cp	6 ch	30	60	150	20	260 ch
Introduction to Mathematics 2	PMTH 127	7 cp	4 ch	45	15	100	10	170 ch
English for engineering and scientific disciplines	PENG 123	3 cp	2 ch	15	15	30	20	80 ch
Physics	PPHS 128	5 cp	3 ch	30	15	90	15	120 ch
Mathematics Basis	Math231	7 cp	4 ch	45	15	75	18	153 ch
Statistics and Probability (1)	STAT 201	5 cp	3 ch	30	15	78	11	134 ch
Calculus 1	Math 201	7 cp	4 ch	45	15	76	14	150 ch
Introduction to Geometry	MATH271	5 cp	3 ch	30	15	88	10	143 ch
Language Skills	ARAB101	3 cp	2 ch	30		30	15	75 ch
Islamic Culture	SALM 101	3 cp	2 ch	30		30	15	75 ch
Calculus 2	Math 202	7 cp	4 ch	45	15	108	14	182 ch
Derivation and integration in several variables	Math203	7 cp	4 ch	45	15	104	16	180 ch
Vectors Calculus	Math204	7 cp	4 ch	45	15	92	16	168 ch
linear Algebra	Math241	7 cp	4 ch	45	15	90	16	166 ch
University Elective	-----	3 cp	2ch	30		30	14	84 ch
Introduction to Ordinary Differential equations	Math 321	7 cp	4 ch	45	15	88	12	160 ch
Numerical Analysis	Math 351	7 cp	4 ch	45	15	108	8	176 ch
Linear Programming	MATH352	7 cp	4 ch	45	15	116	0	176 ch
Mathematical Applications in Computer	Math 353	5 cp	3 ch	30	15	15	8	68 ch
Islam and Society construction	SALM 102	3cp	2 ch	30		30	30	90 ch
Department Elective	Math ----- _	3cp	2ch	30		30	30	90 ch
Mathematical Methods	Math 322	7 cp	4 ch	45	15	72	18	150 ch
Group theory	MATH 243	7 cp	4 ch	45	15	97		157 ch
Statistics and Probability (2)	STAT 302	7 cp	4 ch	45	15	88	11	159 ch
Real Analysis (1)	Math381	5 cp	3 ch	30	15	72	27	144 ch

Department Elective	Math ----	5 cp	3 ch	30	15	90	5	140 ch
Partial Differential Equations	Math 423	7 cp	4 ch	45	15	77	13	150 ch
Ring and Fields	MATH 443	5 cp	3 ch	30	15	85		130 ch
General topology	Math472	5 cp	3 ch	30	15	70	20	135 ch
Introduction to Differential Geometry	MATH473	7 cp	4 ch	45	15	96	14	170 ch
Economic system in Islam	SALM 103	3 cp	2 ch	30		30	20	80 ch
department Elective	Math ---	3cp	2ch	30		45	10	85 ch
Introduction to Functional Analysis	Math484	5cp	3ch	30	15	60	15	125 ch
Complex analysis	Math 483	7 cp	4 ch	45	15	80	10	150 ch
Department Elective	Math ---	5cp	3 ch	30	15	75	15	135 ch
University elective	---	3 cp	2ch	30		40	10	80 ch
Project	Math499	7 cp	4ch					180 ch
free Course		3 cp	2 ch	30		40	20	90 ch
		228	137					5750