

Contact hours, self-study and total work load in the courses

		Credit		Contact	Hours	Self-Study	Total
Course name	Course Code	ECTS	NCCCA	Lecture	Tutorial		
English Language 1	PENG 111	11 cp	8 ch	30	90	240	360 ch
Introduction to Mathematics 1	PMTH 112	3 cp	2 ch	30		90	90 ch
Computer Skills	PCOM 113	3 cp	2 ch	15	15	45	75 ch
Communication and Education Skills	PSSC 114	3 cp	2ch	15	15	45	75 ch
English Language 2	PENG 121	10 cp	6 ch	30	60	170	260 ch
Introduction to Mathematics 2	PMTH 127	7 cp	4 ch	45	15	110	170 ch
English for engineering and scientific disciplines	PENG 123	3 cp	2 ch	15	15	50	80 ch
Physics	PPHS 128	5 cp	3 ch	30	15	105	120 ch
Mathematics Basis	Math231	7 cp	4 ch	45	15	93	153 ch
Statistics and Probability (1)	STAT 201	5 cp	3 ch	30	15	89	134 ch
Calculus 1	Math 201	7 cp	4 ch	45	15	90	150 ch
Introduction to Geometry	MATH271	5 cp	3 ch	30	15	98	143 ch
Language Skills	ARAB101	3 cp	2 ch	30		45	75 ch
Islamic Culture	SALM 101	3 cp	2 ch	30		45	75 ch
Calculus 2	Math 202	7 cp	4 ch	45	15	122	182 ch
Derivation and integration in several variables	Math203	7 cp	4 ch	45	15	120	180 ch
Vectors Calculus	Math204	7 cp	4 ch	45	15	108	168 ch
linear Algebra	Math241	7 cp	4 ch	45	15	106	166 ch
University Elective	-----	3 cp	2ch	30		44	84 ch
Introduction to Ordinary Differential equations	Math 321	7 cp	4 ch	45	15	100	160 ch
Numerical Analysis	Math 351	7 cp	4 ch	45	15	116	176 ch
Linear Programming	MATH352	7 cp	4 ch	45	15	116	176 ch
Mathematical Applications in Computer	Math 353	5 cp	3 ch	30	15	23	68 ch
Islam and Society construction	SALM 102	3cp	2 ch	30		60	90 ch
Department Elective	Math ----- _	3cp	2ch	30		60	90 ch
Mathematical Methods	Math 322	7 cp	4 ch	45	15	90	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	99	159 ch

Real Analysis (1)	Math381	5 cp	3 ch	30	15	99	144 ch
Department Elective	Math ----	5 cp	3 ch	30	15	95	140 ch
Partial Differential Equations	Math 423	7 cp	4 ch	45	15	90	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	90	135 ch
Introduction to Differential Geometry	MATH473	7 cp	4 ch	45	15	110	170 ch
Economic system in Islam	SALM 103	3 cp	2 ch	30		50	80 ch
department Elective	Math ---	3cp	2ch	30		55	85 ch
Introduction to Functional Analysis	Math484	5cp	3ch	30	15	80	125 ch
Complex analysis	Math 483	7 cp	4 ch	45	15	90	150 ch
Department Elective	Math ---	5cp	3 ch	30	15	90	135 ch
University elective	----	3 cp	2ch	30		50	80 ch
Project	Math499	7 cp	4ch				180 ch
free Course		3 cp	2 ch	30		60	90 ch
		228	137				5750