

Meteorology BSc Study Plan

Year 1																				
1st Semester						2nd Semester						Summer Semester								
ASD						ASD						MET								
No.	Course	LT	Lb	TT	CH	CR	No.	Course	LT	Lb	TT	CH	CR	No.	Course	LT	LB	TT	CH	CR
MATH1001	Precalculus	4	0	2	6	3	MATH1010	Calculus I	3	0	2	5	3	MATH1020	Calculus II	3	0	2	5	3
CHEM1011	Chemistry I	3	0	2	5	3	CHEM1013	Chemistry II	3	0	2	5	3	PHYS1013	Physics II	3	0	2	5	3
ENGL1001	English Skills	3	0	2	5	0	PHYS1011	Physics I	3	0	2	5	3	PHYS1014	Physics II Lab	0	3	0	5	1
HUM1011	Islamic Culture	3	0	0	3	3	ENGL1011	Academic English I	3	0	2	5	3							
ICT1011	Intro to Progr & Problem Solving	2	2	2	6	3	CHEM1014	Chemistry II Lab	0	3	0	3	1							
CHEM1012	Chemistry I Lab	0	3	0	3	1	PHYS1012	Physics I Lab	0	3	0	3	1							
HUM1013	Arabic Communication Skills	3	0	0	3	3	MET-1001	Intro to Meteorology	3	0	0	3	3							
Total		18	5	8	31	16	Total		15	6	8	29	17	Total		6	3	4	15	7
Year 2																				
1st Semester						2nd Semester						Summer Semester								
MET						MET						OJT								
No.	Course	LT	PT	TT	CH	CR	No.	Course	LT	PT	TT	CH	CR	No.	Course	LT	Lb	TT	CH	CR
ENGL1012	Academic English 2	3	0	2	5	3	MET-2202	Atm Dynamics I	3	0	1	4	3	MET-2301	Synoptic Met I	3	0	1	4	3
MET-2060	Met Instrum & Observ_OCT1	0	3	1	4	1	MET-2204	Physical Met	4	0	1	5	4	MET-2064	Weather Chart Analysis 1_OCT5	0	3	0	3	1
MET-2101	Atm Thermodynamics	3	0	1	4	3	MET-2061	International Met Codes_OCT2	0	3	1	4	1	MET-4099a	OJT- Observer (only for NQC Diploma Exit)					
MATH2114	Calculus III	3	0	1	4	3	MET-2203	Climatology	3	0	0	3	3							
MATH2012	Probability & Statistics	3	0	1	4	3	MET-2062	Meteorology & Computing_OCT3	0	3	0	3	1							
MET-40XX	Elective A	3	0	0	3	3	MET-2205	Aviation Met	3	0	0	3	3							
Total		15	3	6	24	16	Total		13	6	3	22	15	Total		3	3	1	7	4
Year 3																				
1st Semester						2nd Semester						Summer Semester								
MET						MET						MET								
No.	Course	LT	PT	TT	CH	CR	No.	Course	LT	Lb	TT	CH	CR	No.	Course	LT	PT	TT	CH	CR
MATH2013	Differential Equations	3	0	1	4	3	MET-3201	NWP & Numerical Analysis	2	3	1	6	3	MET-3065	Programming in C++_OCT12	0	2	0	2	1
MET-3101	Synoptic Met II	3	0	1	4	3	MET-3202	Satellite Meteorology	3	0	0	3	3	MET-2063	Weather Broadcast 1_OCT4	0	2	0	2	1
MET-3102	Atm Dynamics II	3	0	1	4	3	MET-3203	Radar Meteorology	3	0	0	3	3	MET-4103	Numerical Comp Using MATLAB Workshop	0	2	0	2	1
MET-3103	Computer Programming Fortran Workshop	0	3	0	3	1	HUM-3011	Creativity, Innovation and Entrepreneurship	3	0	0	3	3	MET-3063	Satellite & Radar Analyses_OCT10	0	2	0	2	1
ENGL2011	Public Speaking	2	0	0	2	1	MET-4102	Computer Based Weather Analysis Workshop	0	3	0	3	1	MET-2065	Synoptic Met practice & Tephigram_OCT6	0	2	0	2	1
MATH2011	Linear Algebra	3	0	2	5	3	ENGL2012	Literature Review	2	0	0	2	1	ENGL2013	Report Writing	2	0	0	2	1
MET-3060	Weather Charts Analysis 2_OCT7	0	3	1	4	1	MET-3062	Weather Analysis and Forecasting_OCT9	0	2	0	2	1							
Total		14	6	6	26	15	Total		13	8	1	22	15	Total		2	10	0	12	6
Year 4																				
1st Semester						2nd Semester						Summer Semester								
MET						OJT						MET								
No.	Course	LT	PT	TT	CH	CR	No.	Course	LT	Lb	TT	CH	CR	No.	Course	LT	PT	TT	CH	CR
MET-4101	Tropical Met	3	0	0	3	3	MET-4099	OJT	0	30	0	30	6	MET-4301	Planetary BL Met	3	0	0	3	3
MET-3090	Graduation Project I	3	0	0	3	3	MET-4090	Graduation Project II	3	0	0	3	3	MET-4302	Climate Data Management Workshop	0	3	0	3	1
XXX-XXX	Elective from other department	3	0	0	3	3								MET-3064	Weather Forecasting Techniques_OCT11	0	2	0	2	1
MET-3061	Weather Broadcast 2_OCT8	0	2	0	2	1														
MET-40XX	Elective B	3	0	0	3	3														
HUM1012	Emirates Society	3	0	0	3	3														
Total		9	0	0	9	16	Total		3	30	0	33	9	Total		3	5	0	8	5
Elective Courses A																				
Student can choose only two courses (3 CR) from this basket																				
No.	Course	LT	PT	TT	CH	CR														
MET-4050	Map & GIS	2	3	0	5	3														
MET-4051	Oceanography	3	0	0	3	3														
MET-4052	Environmental Issues	3	0	0	3	3														
MET-4053	Agrometeorology	3	0	0	3	3														
MET-4054	Hydrology & Water Resources	3	0	0	3	3														
MET-4066	Marine Meteorology	3	0	0	3	3														
Elective Courses B																				
Student can choose only 1 course (3 CR) from this basket																				
No.	Course	LT	PT	TT	CH	CR														
MET-4060	Mesometeorology	3	0	0	3	3														
MET-4061	Regional Synoptic Met	3	0	0	3	3														
MET-4062	Long Range Forecast	3	0	0	3	3														
MET-4063	Global Climate Changes	3	0	0	3	3														
MET-4064	Air Pollution	3	0	0	3	3														
MET-4065	Atmospheric Waves	3	0	0	3	3														
Elective form Other Department																				
Student can choose only 1 course (3 CR) from any department by the approval of the supervisor																				
No.	Course	LT	PT	TT	CH	CR														
XXX-XXX	Elective	3	0	0	3	3														
										Cr	OJT	Total								
Total Cr. Hrs. Bachelor of Science										135	6	141								