

## Meteorology BSc Study Plan

Year 1																																
1st Semester <span style="color: red;">ASD</span>						2nd Semester <span style="color: red;">ASD</span>						Summer Semester <span style="color: red;">MET</span>																				
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	MET1001	Intro to Meteorology	3	0	0	3	3																			
<b>Total</b>						18	5	8	31	16	<b>Total</b>						15	6	8	29	17	<b>Total</b>						6	3	4	15	7
Year 2																																
1st Semester <span style="color: red;">MET</span>						2nd Semester <span style="color: red;">MET</span>						Summer Semester <span style="color: red;">OJT</span>																				
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	MET2202	Atm Dynamics I	3	0	1	4	3	MET2301	Synoptic Met I	3	0	1	4	3												
MET2060	Met Instrum & Observ_OCT1	0	3	1	4	1	MET2204	Radiation and Cloud Physics	4	0	2	6	4	MET2064	Weather Chart Analysis 1_OCT5	0	3	0	3	1												
MET2101	Atm Thermodynamics	3	0	1	4	3	MET2061	International Met Codes_OCT2	0	3	1	4	1																			
MATH2114	Calculus III	3	0	1	4	3	MET2203	Climatology	3	0	0	3	3																			
MATH2012	Probability & Statistics	3	0	1	4	3	MET2062	Meteorology & Computing_OCT3	0	3	0	3	1																			
MET40XX	Elective A	3	0	0	3	3	MET2205	Aviation Met	3	0	0	3	3																			
<b>Total</b>						15	3	6	24	16	<b>Total</b>						13	6	4	23	15	<b>Total</b>						3	3	1	7	4
Year 3																																
1st Semester <span style="color: red;">MET</span>						2nd Semester <span style="color: red;">MET</span>						Summer Semester <span style="color: red;">MET</span>																				
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	MET3201	NWP & Numerical Analysis	2	3	1	6	3	MET3065	Programming in C++_OCT12	0	2	0	2	1												
MET3101	Synoptic Met II	3	0	1	4	3	MET3202	Satellite Meteorology	3	0	1	4	3	MET2063	Weather Broadcast 1_OCT4	0	2	0	2	1												
MET3102	Atm Dynamics II	3	0	1	4	3	MET3203	Radar Meteorology	3	0	1	4	3	MET4103	Numerical Comp Using MATLAB Workshop	0	2	0	2	1												
MET3103	Computer Programming Fortran Workshop	0	3	0	3	1	HUM1012	Emirates Society	3	0	0	3	3	MET3063	Satellite & Radar Analyses_OCT10	0	2	0	2	1												
ENGL2011	Public Speaking	2	0	0	2	1	MET4102	Computer Based Weather Analysis Workshop	0	3	0	3	1	MET2065	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												
MET3060	Weather Charts Analysis 2_OCT7	0	3	1	4	1	MET3062	Weather Analysis and Forecasting_OCT9	0	2	0	2	1																			
<b>Total</b>						14	6	6	26	15	<b>Total</b>						13	8	3	24	15	<b>Total</b>						2	10	0	12	6
Year 4																																
1st Semester <span style="color: red;">MET</span>						2nd Semester <span style="color: red;">OJT</span>						Summer Semester <span style="color: red;">MET</span>																				
No.	Course	LT	PT	TT	CH	CR	No.	Course	LT	Lb	TT	CH	CR	No.	Course	LT	PT	TT	CH	CR												
MET4101	Tropical Met	3	0	0	3	3	MET4099	OJT	0	30	0	30	6	MET-4301	Planetary BL Met	3	0	0	3	3												
MET3090	Graduation Project I	3	0	0	3	3	MET4090	Graduation Project II	3	0	0	3	3	MET-4302	Climate Data Management Workshop	0	3	0	3	1												
XXXXXX	Elective from other department	3	0	0	3	3								MET-3064	Weather Forecasting Techniques_OCT11	0	2	0	2	1												
MET3061	Weather Broadcast 2_OCT8	0	2	0	2	1																										
MET40XX	Elective B	3	0	0	3	3																										
HUM3011	Creativity, Innovation and Entrepreneurship	3	0	0	3	3																										
<b>Total</b>						9	0	0	9	16	<b>Total</b>						3	30	0	33	9	<b>Total</b>						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																										
MET4050	Map & GIS	2	3	0	5	3																										
MET4051	Oceanography	3	0	0	3	3																										
MET4052	Environmental Quality	3	0	0	3	3																										
MET4053	Agrometeorology	3	0	0	3	3																										
MET4054	Hydrology & Water Resources	3	0	0	3	3																										
MET4066	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																										
MET4060	Mesometeorology	3	0	0	3	3																										
MET4061	Regional Synoptic Met	3	0	0	3	3																										
MET4062	Long Range Forecast	3	0	0	3	3																										
MET4063	Global Climate Changes	3	0	0	3	3																										
MET4064	Air Pollution	3	0	0	3	3																										
MET4065	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																		
<b>Total Cr. Hrs. Bachelor of Science</b>												<b>135</b>	<b>6</b>	<b>141</b>																		