KENYA METHODIST UNIVERSITY

SCHOOL OF COMPUTING AND INFORMATICS

DEPARTMENT OF INFORMATION TECHNOLOGY

BACHELOR OF SCIENCE IN DATA SCIENCE AND MACHINE LEARNING

STUDENT COURSES TRACKING FORM

Registration NO:_____   Names:_____

SN	UNITCODE	YEAR 1	CH	GRADE	REMARK
SN	UNITCODE	FIRST TRIMESTER	CH	GRADE	REMARK
1	COMM 111	Communication Skills	3		
2	BUSS 221	Entrepreneurship	3		
3	THEO 111	Christian Beliefs	3		
4	BDML 111	Computer Applications	3		
5	BDML 115	Statistics and Probability I with R	3		
6	MATH 103	Calculus I	3		
		YEAR 1			
SN	UNITCODE	SECOND TRIMESTER	CH	GRADE	REMARK
1	BDML 112	Introduction to Programming I (Python and R)	3		
2	ENVI 201	Environmental Science	3		
3	BDML 116	Contemporary Issues in Psychology	3		
4	BDML 117	Introduction to Database Systems	3		
5	MATH 110	Linear Algebra	3		
6	BDML 214	Fundamentals of Data science	3		
		YEAR 1			
SN	UNITCODE	THIRD TRIMESTER	CH	GRADE	REMARK
1	BDML 211	Database Administration	3		
2	BDML 212	Programming II (Python and R)	3		
3	MATH 104	Calculus II	3		
4	MATH 211	Discrete Mathematics	3		
5	BDML 215	Introduction to Artificial Intelligence and Machine Learning	3		
6	BDML 216	Data Science on Cloud	3		
		YEAR 2			
SN	UNITCODE	FIRST TRIMESTER	CH	GRADE	REMARK
1	HSCI 225	HIV/AIDS	3		
2	BDML 222	Advanced Database Systems	3		
3	BDML 223	Python for Data Science	3		
4	BDML 224	Multivariate Calculus	3		
5	MATH 230	Statistics and Probability II with R	3		
6	BDML 225	Data Mining and Warehousing	3		
		YEAR 2			
SN	UNITCODE	SECOND TRIMESTER	CH	GRADE	REMARK
1	BDML 311	Research Methods in Data Science	3		

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SN	UNITCODE		CH	GRADE	REMARK
2	BDML 313	Web Application Development I	3		
3	BDML 314	Advanced Techniques in Machine Learning	3		
4	MATH 330	Operation Research	3		
5	BDML 315	Statistical Inference for Data Science	3		
6	BDML 316	Deep Learning and Computer Vision	3		
		YEAR 2			
SN	**UNITCODE**	**THIRD TRIMESTER**	**CH**	**GRADE**	**REMARK**
1	BDML 321	Computer Communication Network	3		
2	BDML 322	Applied Research Project I	3		
3	BDML 323	Data Structures and Algorithms	3		
4	BDML 324	Differential Equations with Numerical Methods	3		
5	BDML 325	Applied Statistical Hypothesis Testing	3		
6	BDML 326	Human Psychology and Philosophy	3		
		YEAR 3			
SN	**UNITCODE**	**FIRST TRIMESTER**	**CH**	**GRADE**	**REMARK**
1	BDML 327	Natural Language Processing	3		
2	BDML 411	Web Application Development II	3		
3	BDML 412	Advanced Data Mining and Warehousing	3		
4	BDML 417	Machine Learning Deployment and Monitoring	3		
5	Elective	Elective 1	3		
6	Elective	Elective 2	3		
		YEAR 3			
SN	**UNITCODE**	**SECOND TRIMESTER**	**CH**	**GRADE**	**REMARK**
1	BDML 421	Data Governance, Ethics and Law	3		
2	BDML 422	GIS Principles and GEO-spacial data analytics	3		
3	BDML 423	Data Science Project Management	3		
4	BDML 426	Bayesian Inference and Decision Theory	3		
5	Elective	Elective 3	3		
6	Elective	Elective 4	3		
SN	**UNITCODE**	**ELECTIVES**			
1	BDML 414	Data Protection and Security	3		
2	BDML 415	Statistical Simulation and Modeling	3		
3	BDML 416	Linear Modelling	3		

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Registration NO:_____   Names:_____

SN	UNITCODE		CH	GRADE	REMARK
4	BDML 424	Big Data Analytics and Visualization with Apache Hadoop	3		
5	BDML 425	Time Series Analysis	3		
		YEAR 3			
SN	UNITCODE	THIRD TRIMESTER	CH	GRADE	REMARK
1	BDML 428	Industrial Attachment	3		
2	BDML 427	Applied Research Project II	3		