

«Data Analytics in Accounting and Finance (18 Months/90 ECTS, Master of Science)» E-Learning

TABLE 2: COURSE DISTRIBUTION PER SEMESTER

A/A	Course type	Course title	Course code	Periods per week	Period duration	Number of weeks/ Semester	Total periods/ Semester	Number of ECTS
1st Semester								
1.	Compulsory	Fundamentals of Finance	AED610	N/A	N/A	14	N/A	10
2.	Elective		---	N/A	N/A	14	N/A	10
3.	Elective		---	N/A	N/A	14	N/A	10
2nd Semester								
4.	Compulsory	Advanced International Financial Reporting	AED630	N/A	N/A	14	N/A	10
5.	Compulsory	Quantitative Methods in Accounting and Finance	AED640	N/A	N/A	14	N/A	10
6.	Elective		---	N/A	N/A	14	N/A	10
3rd Semester								
7.	Compulsory	Analytics in Accounting and Finance	AED650	N/A	N/A	14	N/A	10
8.	Compulsory	Computational Finance	AED660	N/A	N/A	14	N/A	10
9.	Compulsory	Applied Financial Analysis and Valuation	AED670	N/A	N/A	14	N/A	10

Elective Courses		
Selection of three (3) courses from the list below		
AED600	Financial and Managerial Accounting	10
AED620	Principles of Programming for Python	10
AED625	Principles of Programming for R	10
AED675	Principles of Machine Learning	10
AED680	Principles of Artificial Intelligence	10
MBA630	Ethics and Corporate Social Responsibility	10
MBA650	Investment and Risk Management	10

One Elective course from another relevant Master Program of the University.
 Only one (1) course of this provision may be selected by the student (of at least same number of ECTS) throughout the completion of the program requirements, with the program coordinator's approval.

Compulsory/Elective Courses based on Admitted Students Background:

For Students with Accounting Background			
A/A	Course type	Course title	Course code
1st Semester			
1.	Compulsory	Fundamentals of Finance	AED610
2.	Elective	Principles of Programming for R	AED625
3.	Elective	(any other except of AED600 and AED620)	----
2nd Semester			
4.	Compulsory	Advanced International Financial Reporting	AED630
5.	Compulsory	Quantitative Methods in Accounting and Finance	AED640
6.	Elective	Principles of Programming for Python	AED620
3rd Semester			
7.	Compulsory	Analytics in Accounting and Finance	AED650
8.	Compulsory	Computational Finance	AED660
9.	Compulsory	Applied Financial Analysis and Valuation	AED670

For Students with IT/Science background (with knowledge in Python or/and R)			
A/A	Course type	Course title	Course code
1st Semester			
1.	Compulsory	Fundamentals of Finance	AED610
2.	Elective	Financial and Managerial Accounting	AED600
3.	Elective	AED620 or AED625 or any other	---
2nd Semester			
4.	Compulsory	Advanced International Financial Reporting	AED630
5.	Compulsory	Quantitative Methods in Accounting and Finance	AED640
6.	Elective	AED620 or AED625 or any other	---
3rd Semester			
7.	Compulsory	Analytics in Accounting and Finance	AED650
8.	Compulsory	Computational Finance	AED660
9.	Compulsory	Applied Financial Analysis and Valuation	AED670

For Students with Other Background			
A/A	Course type	Course title	Course code
1st Semester			
1.	Compulsory	Fundamentals of Finance	AED610
2.	Elective	Financial and Managerial Accounting	AED600
3.	Elective	Principles of Programming for R	AED625
2nd Semester			
4.	Compulsory	Advanced International Financial Reporting	AED630
5.	Compulsory	Quantitative Methods in Accounting and Finance	AED640
6.	Elective	Principles of Programming for Python	AED620
3rd Semester			
7.	Compulsory	Analytics in Accounting and Finance	AED650
8.	Compulsory	Computational Finance	AED660
9.	Compulsory	Applied Financial Analysis and Valuation	AED670