

Advanced VBA

Academic Year: **2016/2017**

1st Semester

Instructor(s): Carlos Rondão

Course Description:

To become a more effective business and financial manager there are certain spreadsheet modeling skills, automation and programming knowledge that must be mastered. This course will focus on advanced spreadsheet features and modeling with Excel, programming and automation of Excel using VBA. The course will use a “learn by doing” modular approach with real life business examples.

Course Content:

MS Excel

Advanced functions and formula, Goal Seek, Solver, Macros, VBA, User Functions, Excel fundamental objects, Events

Course Objectives:

At the end of the course, students should be able to:

- Use advanced functions and formula
 - Create and Edit Macros
 - Use VBA to access Workbooks, Worksheets, Ranges and Cells
 - Use VBA to create user functions and automate processes
 - Use VBA to automate Solver and Advanced Filter
 - Create Models that are easy to navigate and use them to assist your decision making process
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Grading:

Written VBA Exam at the end of the Course

Bibliography:

Online Excel files with tutorials and exercises at:
<http://158.162.0.15/fm>

Biography:

Carlos Rondão teaches Advanced Excel/VBA in Master Programs and Computer Science and Technology Information Systems in the Undergraduate Degree in Management and Economics. He also works as a consultant in those areas. His areas of interest focus on Excel and advanced Excel programming using VBA, data warehousing and business intelligence systems

Contact(s) and Office hours:

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