MAPP_F_FIN467
FINANCIAL MODELING

Number of ECTS credits : 3
Course language : English
Course leader : GEYER DOMINIQUE
Speakers : GEYER DOMINIQUE , ROUSSEAU Simon

≡ COURSE DESCRIPTION

The objective for this course is to develop skills used to financial modeling: the first case study will model the financial statments of a firm: balance sheet, income statement and statement of cash flows. A second case study will model a business dashboard (VALEO case). In particular, the course will cover the application of Excel spreadsheet functions to financial modeling.

≡ COURSE OBJECTIVES

≡ LEARNING OBJECTIVES

C4B learning goal	LG1 - Analysis
C4B learning objective	LO2 - Analyse complex situations
Outcomes	Lev. 2 - Formulate hypotheses to understand a complex situation, in a structured way, by mobilizing disciplinary frameworks if necessary

≡ TACKLED CONCEPTS

Financial model ; financial statements ; model calibration ; model forecasting: business dashboard

≡ LEARNING METHODS

The course integrates a variety of didactical approaches and techniques including lectures, plenary and group discussions, group exercises, small projects and working on real life cases.

≡ EXPECTED WORK AND EVALUATION

Assessment will be based on a mid-term exam and an end-exam.

≡ BIBLIOGRAPHY

≡ EVALUATION METHODS

40 % : Continus Assessment
60 % : Final Exam

≡ SESSIONS

1 Introduction to financial modeling
LECTURE & CASE STUDIES & EXERCISES : 02h00

The aim of the session is to formulate an earnings model with the financial report of an actual company. An earning model is a representation of a company's financial position, disaggregated to a level which can be analysed based on historic results and future expectations.

2 Building a basic financial statement
LECTURE & CASE STUDIES & EXERCISES : 02h00

The aim of the session is to begin a very simple model to fully understand the procedures before modeling a more complex situation. So we begin with the income statement presented by function.

3 Converting to a intermediate tier earning model (I)
LECTURE & CASE STUDIES & EXERCISES : 02h00

The first model was focused on the primary assumptions of a simplistic model. Now we'll disaggregate to a lower level of granularity, and link our future earnings estimates to our defined outputs. The forecast horizon is the end of current fiscal year.

4 Converting to a intermediate tier earning model (II)
LECTURE & CASE STUDIES & EXERCISES : 02h00

The first model was focused on the primary assumptions of a simplistic model. Now we'll disaggregate to a lower level of granularity, and link our future earnings estimates to our defined outputs. The forecast horizon is the end of current fiscal year.

5 Converting to an advanced earning model
LECTURE & CASE STUDIES & EXERCISES : 02h00

The aim of the session is to complete the intermediate model to understand the relationship between the three financial statements (balance sheet, income statement and cash flow statement). This session demonstrate how to model the balance sheet and cash flow model.

6 Case study VALEO (I)
LECTURE & CASE STUDIES & EXERCISES : 02h00

The aim of the session is to model a business dashboard froam a real case.

7 Case study VALEO (II)
LECTURE & CASE STUDIES & EXERCISES : 02h00

The aim of the session is to model a business dashboard froam a real case.

8 Case study VALEO (III)
LECTURE & CASE STUDIES : 02h00

The aim of the session is to model a business dashboard froam a real case.