



Program 2- Syllabi

Fall 2025

2025 Fall semester - Program 2

100% English - 225 h / 30 ECTS

Courses	Teaching hours	ECTS credits
Advanced management	30	4
Advanced finance	30	4
Data management	30	4
CSR éklosion project	15	2
General culture	30	4
Strategic management for decision making	45	6
Business game	15	2
French as foreign language (for non-French speaker) or English courses (for French speaker)	30	4

Advanced Management

Course presentation

Course Identifier	AU25_STR016
Referral Program	Grande Ecole Master Programme
Curriculum	Semester 1 - Master 1
Field of application	Strategic management

Course definition

Hourly volume of the Course	30 hour(s)
Personal working time	15 hour(s)
Number of ECTS credits	4
Methods of realization	Synchronous face-to-face

The digitalisation of organisations has given rise to New Business Models (NBMs). Entire business sectors have been "disrupted". Examples include the hotel industry with AirB&B and taxis with Uber. These mature, oligopolistic or even monopolistic business sectors, believing themselves to be sheltered behind barriers to entry and organisational isophormism, have seen the majority of added value captured by new entrants. The aim of this course is firstly to be able to decipher an existing business model, and secondly to be able to apply these new

Prerequisites

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Core Skills

First core skill Applied Business Knowledge

The aim here is to understand what a business model is (definition, components), categorise the different types of business model (5 main types) and finally to create a database of archetypal real-life examples of each category of business

Second core skill Critical thinking

Having seen the theoretical model and concrete examples of business models, students will need to be able to apply these concepts to an existing business sector, or more precisely, they will need to disrupt the business model of an

Learning objective

First learning objective	Apply knowledge of the core concepts with each of the foundational business disciplines (finance, marketing, The 9 blocks of the Canva Business Model
Observable trait N°1	
Observable trait N°2	Know how to recognise the type of BM of a well-known company (from among the 5 types of BM)

The first objective is to understand the definition of a BM and the 9 blocks that

Second learning objective	Identify and analyze business problems and opportunities and formulate recommendations for
Observable trait N°1	Originality, clarity, feasibility/operationality of the proposed BM
Observable trait N°2	Quality of the pitch

The second objective is to disrupt an existing BM. In this case, the aim is to

Expected evaluation method 1

Type	Final Examination
Weight	60%
Forms	Individual Writing

Expected evaluation method 2

Type	Continuous assessment
Weight	40%
Forms	Collective Oral

Sessions list

Session 01

Title : null

Skills worked : Applied Business Knowledge

Teaching method : Theoretical course

Course description in two parts (acquisition of theories and application through a hackathon). Definition and presentation of Ostelwalder and Pigneur's Business

Session 02

Title : null

Skills worked : Applied Business Knowledge

Teaching method : Theoretical course

Presentation of Business Model Patterns : - Unbundling business model - The Long

Session 03

Title : BMC patterns acquisition

Skills worked : Applied Business Knowledge

Teaching method : Theoretical course

Presentation of Business Model Patterns : - Multi-sided Plateforms - Open

Session 04

Title : BMC patterns acquisition

Skills worked : Applied Business Knowledge

Teaching method : Theoretical course

Presentation of Business Model Patterns : -Free as a business model

Session 05

Title : Ideation

Skills worked :

Teaching method : Application / Case study

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Session 06

Title : disruption of the existing BM

Skills worked :

Teaching method : Application / Case study

team coaching to disrupt an existing business model

Session 07

Title : pitch preparation

Skills worked :

Teaching method : Application / Case study

team coaching to disrupt an existing business model

Session 08

Title : Pitch presentation

Skills worked :

Teaching method : Setting the scene

Presentation to a jury of professionals

Advanced Finance

Course presentation

Course Identifier	AU25_FIN036
Referral Program	Grande Ecole Master Programme
Curriculum	Semester 1 - Master 1
Field of application	Finance

Course definition

Hourly volume of the Course	30 hour(s)
Personal working time	-
Number of ECTS credits	4
Methods of realization	-

In recent years, the international financial system has become increasingly interconnected, driven by the appearance of new financial instruments and the proliferation of cross-border investments. Consequently, financial markets worldwide are becoming more integrated, and the linkages between different asset classes are growing stronger (Mensi et al., 2024). Nowadays, financial factors besides the supply-demand relationship hold a prominent position in fluctuations of financial markets (Selmi et al., 2023). In this course, we intend to

Prerequisites

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Core Skills

First core skill

Critical thinking

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Second core skill

Applied Business Knowledge

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Learning objective

First learning objective

Observable trait N°1

Observable trait N°2

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Second learning objective

Observable trait N°1

Observable trait N°2

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Expected evaluation method 1

Type	Continuous assessment
Weight	40%
Forms	Collective Oral / Collective writing / Individual Oral

Expected evaluation method 2

Type	Final Examination
Weight	60%
Forms	Individual Writing

Data Management_M1

Course presentation

Course Identifier	AU25_TQQ001
Referral Program	Grande Ecole Master Programme
Curriculum	Semester 1 - Master 1
Field of application	Quantitative and Qualitative Techniques

Course definition

Hourly volume of the Course	30 hour(s)
Personal working time	7 hour(s)
Number of ECTS credits	4
Methods of realization	Synchronous face-to-face

Data analysis plays a key role in decision-making in today's world of business and finance. Probability and statistical inferencing are required in decisions as varied as whether or not to launch a new product, which clients need to be targeted in the marketing campaign, and how much pay raise and bonuses to award. This course focuses on these two important aspects of statistics. Concepts of conditional probability, discrete and continuous probability distributions as well as

Prerequisites

Data Management - statistics for data analysis

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Core Skills

First core skill

Communication

The findings from data analysis are vital to effective management. This course caters to individuals with the skills to present complex data clearly and understandably, enhancing communication with stakeholders, team members, and

Second core skill

Applied Business Knowledge

Data help managers make informed decisions. This course provides individuals with advanced analytical skills to interpret complex datasets, enabling them to derive valuable insights that guide strategic decision-making. Through this

Learning objective

First learning objective Deliver clear and effective oral presentation.

Observable trait N°1 Effective oral presentation

Observable trait N°2 Engagement with Audience

The course aims to equip students with the technical skills necessary for data

Second learning objective Recognize the fundamental tools of management science.

Observable trait N°1 Class quizzes from the business and financial world enable students to apply what they learn in class.

Observable trait N°2 Final exam and Home Assignment: Applying statistical tools to analyse the financial data.

Advanced data analysis aims to enhance students' proficiency in managing and

Expected evaluation method 1

Type Continuous assessment

Weight 40%

Forms Collective Oral / Individual Oral / Individual Writing

Expected evaluation method 2

Type Final Examination

Weight 60%

Forms Individual Writing

Sessions list

Session 01

Title : Introduction to Probability

Skills worked : Applied Business Knowledge

Teaching method : Application / Case study / Lectures / Theoretical course

In this introductory session, students will become familiar with basic knowledge and terminologies related to Probabilities. Probability is a fundamental concept in

Session 02

Title : Events and conditional probabilities

Skills worked : Applied Business Knowledge

Teaching method : Application / Case study / Lectures / Theoretical course

In this session, students will understand how to measure uncertainty using probability, analyse likelihood of events and apply counting rules. Conditional

Session 03

Title : Dans ce cours, l'accent sera mis sur les variables aléatoires. La distribution de probabilité des variables aléatoires, c'est-à-dire la distribution de probabilité discrète,

Skills worked : Communication

Teaching method : Application / Case study / Lectures / Online Quizzes / Theoretical course

In this session, students will understand how to measure uncertainty using probability, analyse likelihood of events and apply counting rules. Conditional

Session 04

Title : Binomial and Poisson probability distributions.

Skills worked : Applied Business Knowledge

Teaching method : Application / Case study / Lectures / Online Quizes / Theoretical course

This lecture will focus on three main discrete probability distributions: Binomial and Hypergeometric probability distributions for two possible outcomes and

Session 05

Title : Uniform and normal probability distributions

Skills worked : Applied Business Knowledge

Teaching method : Application / Case study / Lectures / Online Quizes / Theoretical course

This session will focus on two types of continuous probability distributions, uniform and exponential. Students will learn exponential probability distribution to

Session 06

Title : Normal probability distribution

Skills worked : Communication

Teaching method : Application / Case study / Lectures / Online Quizes / Theoretical course

In this session, students will learn the most important continuous probability distribution, the normal distribution. The lecture will shed light on the following

Session 07

Title : Sampling distribution of Mean

Skills worked : Applied Business Knowledge

Teaching method : Application / Case study / Lectures / Online Quizes

The concept of sampling distribution is fundamental in statistical inference, hypothesis testing, and decision-making in business contexts. It will enable

Session 08

Title : Sampling Distribution of proportions and other sampling methods

Skills worked : Communication

Teaching method : Application / Case study / Lectures / Online Quizes / Theoretical course

This session will be the continuation of the previous session (session 7). The students' understanding of sampling distribution will be further enhanced by

Assessments list

Assessment 01

Type : Final Examination

Weight : 60%

Form : Individual Writing

Methods : QCM

Skills assessed : Applied Business Knowledge

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Assessment 02

Type : Continuous assessment

Weight : 40%

Form : Individual Writing

Methods : Exercise (group/individual)

Skills assessed : Communication

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Individuel project Eklosion

Course presentation

Course Identifier	AU25_PRO024_M1
Referral Program	Grande Ecole Master Programme
Curriculum	Semester 1 - Master 1
Field of application	Projects

Course definition

Hourly volume of the Course	15 hour(s)
Personal working time	-
Number of ECTS credits	2
Methods of realization	Synchronous face-to-face

The éklosion project aims to promote and develop individual and personal initiatives by students that benefit the community. It was designed to promote these personal and professional initiatives among students, while encouraging autonomy and initiative, developing soft skills, and fostering social engagement. This will involve creating a Skills Passport to identify the knowledge and skills acquired during their studies and professional and personal lives.

Prerequisites

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Core Skills

First core skill

Adaptability

Ongoing assessment of skills: The passport makes it possible to track the evolution of skills over time. This helps individuals identify areas where they need to adapt and develop to meet new job market requirements or specific projects.

Second core skill

Communication

Clarity and transparency: The skills passport provides a clear, structured view of an individual's skills. This facilitates communication with employers, colleagues and recruiters by providing accurate and verifiable information on skills and

Learning objective

First learning objective	Respond positively to change and the opportunities it brings.
Observable trait N°1	Students are able to identify the areas in which they need to adapt and develop to meet the new demands
Observable trait N°2	Students can have greater flexibility and adaptability in their careers.

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Second learning objective	Write a coherent, concise and accurate business report in organizations and professional settings.
Observable trait N°1	Students are able to better communicate with employers, colleagues and recruiters by providing
Observable trait N°2	Students can better present themselves at interviews, performance reviews or career discussions. This

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Expected evaluation method 1

Type	Continuous assessment
Weight	100%
Forms	Individual Oral / Individual Writing

Expected evaluation method 2

Type	Continuous assessment
Weight	null%
Forms	

General culture

Course presentation

Course Identifier	AU24_AUT011
Referral Program	Grande Ecole Master Programme
Curriculum	Semester 1 - Master 1
Field of application	

Course definition

Hourly volume of the Course	30 hour(s)
Personal working time	-
Number of ECTS credits	4
Methods of realization	Synchronous face-to-face

Power relations are a fundamental element in the dynamics of organizations and interpersonal relationships in the workplace. This course aims to explore the different dimensions, manifestations and implications of power relations in the context of management. To do this, it relies on theoretical frameworks from the humanities and social sciences: History of Art, Sociology of Organizations, Geopolitics. Thus, the course aims for students to acquire general knowledge around the theme of power relations, in order to be able to make informed

Prerequisites

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Core Skills

First core skill

Critical thinking

A general culture course in the first year of a Master's program directly supports the development of critical thinking, which is a key academic and professional skill. Such a course introduces students to a wide range of intellectual traditions,

Second core skill

Applied Business Knowledge

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Learning objective

First learning objective Reflect critically on practical and theoretical issues.

Observable trait N°1 The student is able to problematize a complex issue

Observable trait N°2 Students learn to question, analyze, compare, and prioritize information.

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Second learning objective Integrate knowledge of the core business functions to make sound decisions.

Observable trait N°1 The student has understood the power relationships that are a fundamental part of organizational

Observable trait N°2

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Expected evaluation method 1

Type Continuous assessment

Weight 40%

Forms Collective Oral / Collective writing

Expected evaluation method 2

Type Final Examination

Weight 60%

Forms Collective Oral

Sessions list

Session 01

Title : Session 1

Skills worked : Critical thinking

Teaching method : Case study / Theoretical course

Modernity

Session 02

Title : Session 2

Skills worked : Critical thinking

Teaching method : Application / Theoretical course

Advertising and Art

Session 03

Title : Session 3

Skills worked : Critical thinking

Teaching method : Lectures / Theoretical course

Post modernism

Session 04

Title : Session 4

Skills worked : Critical thinking

Teaching method : Case study / Theoretical course

Hypermodernity

Session 05

Title : Session 5

Skills worked : Critical thinking

Teaching method : Application / Theoretical course

Liberated companies, mission-driven societies

Session 06

Title : Session 6

Skills worked : Critical thinking

Teaching method : Case study / Theoretical course

Contemporary power relations

Session 07

Title : Session 7

Skills worked : Communication

Teaching method : Lectures / Practical Work / Theoretical course

Contemporary wars

Session 08

Title : Session 8

Skills worked :

Teaching method :

Environmental issues

Assessments list

Assessment 01

Type : Continuous assessment

Weight : 15%

Form : Collective Oral

Methods : Oral simulation (group/individual)

Skills assessed : Communication

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Assessment 02

Type : Final Examination

Weight : 25%

Form : Collective writing

Methods : Written report

Skills assessed : Critical thinking

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Assessment 03

Type : Final Examination

Weight : 60%

Form : Individual Writing

Methods : Written report

Skills assessed : Critical thinking

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Stratégic Management for decision making

Course presentation

Course Identifier	AU24_STR045
Referral Program	Grande Ecole Master Programme
Curriculum	Semester 1 - Master 1
Field of application	Strategic management

Course definition

Hourly volume of the Course	43 hour(s)
Personal working time	15 hour(s)
Number of ECTS credits	6
Methods of realization	-

This course has several objectives - (a) understanding what a strategy is, (b) how do we use strategy in the context of organizations, (c) how can effective decisions be made using strategic management, (d) using a business game simulation implementing the learning of this course. During this course, students will learn how to take decisions that align with organizational goals, objectives, resources, environmental expectations and pressures.

Prerequisites

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Core Skills

First core skill Applied Business Knowledge

Whether student can integrate knowledge of the core business functions to make sound decisions. Given the subject matter of this course – highly practical and applied, the primary competency attained through this course is applied business

Second core skill Critical thinking

Whether the student is able to reflect critically on practical and theoretical issues in the business context. Being able to apply the practical knowledge to real organizational scenarios and being able to analyze organizations in the light of

Learning objective

First learning objective	Integrate knowledge of the core business functions to make sound decisions.
Observable trait N°1	Show an understanding of strategic management process
Observable trait N°2	Be able to perform strategic scanning.

Whether student can apply the knowledge of strategic analysis tools in the case of

Second learning objective	Use quantitative and qualitative tools and methodologies to support organizational decision
Observable trait N°1	Being able to apply strategic management tools for informed decision making.
Observable trait N°2	Making recommendations that are sound and practically relevant

Whether the student is able to reflect critically on practical and theoretical issues

Expected evaluation method 1

Type	Continuous assessment
Weight	40%
Forms	Collective Oral / Collective writing

Expected evaluation method 2

Type	Final Examination
Weight	60%
Forms	Individual Writing

Sessions list

Session 01

Title : Session 1

Skills worked : Applied Business Knowledge

Teaching method : Lectures / Theoretical course

Introductory Session Course Organization What is Strategy?

Session 02

Title : Session 2

Skills worked : Critical thinking

Teaching method : Application / Setting the scene

Class discussions

Session 03

Title : Session 3

Skills worked : Applied Business Knowledge

Teaching method : Case study / Theoretical course

What is Strategic scanning? Different aspects of Strategic scanning

Session 04

Title : Session 4

Skills worked : Applied Business Knowledge

Teaching method : Application / Setting the scene

Class discussions & preparation for class presentations

Session 05

Title : Session 5

Skills worked : Applied Business Knowledge

Teaching method : Application / Theoretical course

What is Strategic scanning? Preparation for class presentations

Session 06

Title : Session 6

Skills worked : Critical thinking

Teaching method : Application / Theoretical course

What is Strategic scanning? Preparation for class presentations

Session 07

Title : Session 7

Skills worked : Applied Business Knowledge

Teaching method : Case study / Theoretical course

Strategic analysis tool for strategic scanning – I S/W - Mission/ Vision Analysis
O/T - STEEP / PESTEL + Porter's 5+1 Forces Model

Session 08

Title : Session 8

Skills worked : Applied Business Knowledge

Teaching method : Application / Theoretical course

Strategic analysis tool for strategic scanning – II Strategic Group Mapping
Strategic Types of Miles & Snow Competitor Analysis

Session 09

Title : Session 9

Skills worked : Applied Business Knowledge

Teaching method : Application / Case study / Theoretical course

Choosing a Strategy for the org. Porter's generic Competitive Strategies
Perceptual Map Value Chain Analysis

Session 10

Title : Session 10

Skills worked : Critical thinking

Teaching method : Application / Setting the scene

Feedback on the business game simulation Reflections on the business game

Session 11

Title : Session 11

Skills worked : Critical thinking

Teaching method : Application / Setting the scene

Reflections on the business game simulation Group Presentations on Reflection of the business game and decisions taken during the scenario

Session 12

Title : Session 12

Skills worked : Critical thinking

Teaching method : Application

Group Presentations on Reflection of the business game and decisions taken during the scenario

Session 13

Title : Session 13

Skills worked : Critical thinking

Teaching method :

Deadline for submitting the Final Group Project Reports on Blackboard

Assessments list

Assessment 01

Type : Final Examination

Weight : 60%

Form : Individual Writing

Methods : Written report

Skills assessed : Critical thinking

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Assessment 02

Type : Continuous assessment

Weight : 20%

Form : Collective Oral

Methods : Oral simulation (group/individual)

Skills assessed : Critical thinking

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Assessment 03

Type : Continuous assessment

Weight : 20%

Form : Collective writing

Methods : Written report

Skills assessed : Applied Business Knowledge

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Project : Strategic Plan - Business Game

Course presentation

Course Identifier	AU25_STR008
Referral Program	Grande Ecole Master Programme
Curriculum	Semester 1 - Master 1
Field of application	Strategic management

Course definition

Hourly volume of the Course	15 hour(s)
Personal working time	15 hour(s)
Number of ECTS credits	2
Methods of realization	Synchronous face-to-face

The business game allows them to implement their strategic plan (seen in the rest of the module), with managerial skills and teamwork. In this game, students will work in teams of 5-6 students to manage a wetsuit manufacturing company. Student teams will have to implement their strategic plan by making decisions relating to all company functions: purchasing, production, marketing positioning, distribution channel, HR organization, finance. The game is played over a short period of time, requiring students to build the business management tools they

Prerequisites

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avoir fait le cours "AU24_STR045 : Strategic Management for Decision Making"

Core Skills

First core skill Applied Business Knowledge

application of knowledge acquired in previous management courses: market analysis, price and quality positioning, purchasing, production, profitability analysis, investment decisions, HR decisions.

Second core skill Collaboration

Teamwork and organization are two essential factors for success in this game.

Learning objective

First learning objective	Adapt to any kind of changes (e.g. technology, market trends, physical environment...).
Observable trait N°1	adapt company strategy to market changes
Observable trait N°2	make decisions based on relevant management tools

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Second learning objective	Participate effectively in the teamwork and encourage contributions of others.
Observable trait N°1	Accomplish assigned tasks within the team
Observable trait N°2	evaluate the achievement of objectives set by the entire team

The team's success depends on effective organization. Students will have to

Expected evaluation method 1

Type	Continuous assessment
Weight	100%
Forms	Collective writing

Expected evaluation method 2

Type	Continuous assessment
Weight	null%
Forms	

Sessions list

Session 01

Title : Introduction to the business game "Subakoua"

Skills worked : Collaboration

Teaching method : Games

Discovering the pedagogical scenario: taking over the reins of an existing company, with its past Where to find the information Organizational audit of this

Session 02

Title : null

Skills worked : Applied Business Knowledge

Teaching method : Games

Predict sales based on seasonality and PDM and make January decisions on all dimensions (marketing, purchasing, production, administration) of the simulator.

Session 03

Title : Decisions made in February, March and April

Skills worked : Applied Business Knowledge

Teaching method : Games

Calculate orders to suppliers, change suppliers and make decisions for February and March in all areas (marketing, purchasing, production, administration).

Session 04

Title : null

Skills worked :

Teaching method : Games

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Session 05

Title : Reflections on the business game

Skills worked : Collaboration

Teaching method : Setting the scene

Assessment of the performance of the strategy implemented and its evolution
Feedback on teamwork (distribution of roles, what worked and what didn't)

Assessments list

Assessment 01

Type : Continuous assessment

Weight : 50%

Form : Individual Writing

Methods : Case study

Skills assessed : Applied Business Knowledge

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Assessment 02

Type : Continuous assessment

Weight : 50%

Form : Individual Oral

Methods : Exercise (group/individual)

Skills assessed : Collaboration

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