



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Economics of Biotechnology Companies

1920-2-E0201Q076

Aims

The course will focus on the analysis of the main issues related to the business administration.

Knowledge and understanding:

This course offers students the basic knowledge of business economics and business administration, in particular relating to business systems, to different degrees of economic combinations and value-creating activities.

Applying knowledge and understanding:

Students will be able to identify and analyze the conditions of existence of companies as well as the different systems, economic and business combinations present in them. Through the comparison of cases, students will gain the knowledge needed to provide effective solutions for companies.

Making judgements.

Students must have the ability to analyze the main problems related to business administration, ie business strategy, governance, management and understanding the method of construction and the correctness of accounting records relating to individual management phenomena and the consistency of the same with the purpose of the business administration.

Communication skills.

Students must be able to clearly communicate the acquired knowledge, the underlying logic and the application methods also to non-specialist; they must know and have adequate knowledge of business-economic terminology.

Learning skills

The student will be able to integrate acquired knowledge to further studies in economics.

Contents

The course will focus on the analysis of the main issues related to the business administration: business management, administration and control, organization, related, in particular, to Biotechnological companies

Detailed program

THE COMPANY AND ITS OPERATION

The concept of business and institute
Business administration, institutions
The operating conditions of the institutions
Institution/Company structure and its operation
The institution/company system
Relations between institutions/companies
The structure of companies
The institutional set-up
Factors that influence the reconciliation of interests
Government and non-profit institutions: functions and roles in the creation of social value
Institutions/Companies in the biotechnology sector

BUSINESS COMBINATIONS

Business operations
Business operations types
Value-generating activities
Primary activities
Support activities - in particular research and development activities

START UP E BUSINESS PLAN

Strategic management: overview
Start up companies and Business Plan

VALUES, MEASUREMENTS AND INFORMATION

Financial statements: information purposes
Financial statements information
The regulatory framework
Financial statements
Operations and values measurements
Accounting methodology and tools
Accounting of business operations
Determination of values
Determination of income and capital

PLANNING, PROGRAMMING AND CONTROL SYSTEM

Planning, programming and control system

HUMAN RESOURCES AND ORGANIZATIONAL STRUCTURE

Organization system
Organizational structures
Simple structure

Functional structure
Divisional structure
Matrix structure
New structures
Project structure. The figure of the project manager
Human Resource Management

Prerequisites

Background: None

Specific prerequisites: none

General prerequisites: Students can take the exams of the second year after passing the examinations of Introductory Biology, General and inorganic Chemistry, Mathematics, and Foreign Language.

Teaching form

Classroom lectures supported by slides.

Tutorials (36 h): supplementary classroom activities to help students in their study.

Teaching language: italian.

Textbook and teaching resource

Learning material (slides) is available at the e-learning platform of the course.

Recommended textbook (Italian language):

"Economia aziendale"

Author: Alberto Nobolo

Edited by Pearson, 2018

Semester

First semester

Assessment method

The exam consists of a written examination and an oral part. The test consists of 20 multiple choice questions and two open questions; a mark higher than 18 allow the student to take the oral exam. The oral exam focusses on a case study elaboration, through the application the "Business Plan" theory explained during the course. The case study can be analyzed as a team.

Office hours

Contact hours: Wednesday, h 11.30 - 12:30
