UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Economics of Biotechnology Companies

2425-2-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 and the ability to understand business economics, in particular relating to business systems, the different degrees of economic combinations and value generators. The class is focus mainly on biotechnology companies. In particular, the course will focus on the idea and the processes behind the creation of innovative companies and startups

Applying knowledge for a better understanding:
The students, thanks to a course, that is strongly detached from the other disciplines studied, grasp the organizational and management world of entrepreneurship. Through the study of the main paradigms and interpretative systems of the business reality, they will be able to understand and develop more, and with a critical look, the business ideas that they could come up with in the future.

Autonomy of judgment
Students will have the ability to analyze the main problems related to the economy variables of biotechnology companies, namely business strategy, organization, management.

Communication skills.
Students will be able to learn the appropriate vocabulary to communicate the skills acquired, the logic underlying them and the application methods to specialist and non-specialist interlocutors.

Learning skills
At the end of the course, students who are most interested in economics will find it easier to find additional sources of learning

Contents

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

Detailed program

THE COMPANY AND ITS OPERATION

Business administration, institutions and companies

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

Government and non-profit institutions: functions and roles in the creation of social value

Institutions/Companies in the biotechnology sector

BUSINESS COMBINATIONS

Business operations

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

PLANNING, PROGRAMMING AND CONTRO SYSTEM

Planning, programming and control system

Break even point

HUMAN RESOURCES AND ORGANIZATIONAL STRUCTURE

Organizational structures

Prerequisites

Background: None

Specific prerequisites: none

Teaching form

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" Corso di laurea Triennale in Biotecnologie – Professoressa Francesca Magli

edited by Alberto Nobolo

Pearson, 2018

Semester

First semester

Assessment method

The exam is a multiple choice test, open questions and exercises

Office hours

It can be appointed via mail.

Sustainable Development Goals

INDUSTRY, INNOVATION AND INFRASTRUCTURE