



## ECONOMY AND CONSTRUCTION EVALUATION

Enrollment year	2013/2014
Academic year	2017/2018
Regulations	DM270
Academic discipline	ICAR/22 (CADASTRAL SURVEYING)
Department	DEPARTMENT OF CIVIL ENGINEERING AND ARCHITECTURE
Course	
Curriculum	PERCORSO COMUNE
Year of study	5°
Period	2nd semester (05/03/2018 - 22/06/2018)
ECTS	9
Lesson hours	120 lesson hours
Language	English
Activity type	WRITTEN AND ORAL TEST
Teacher	DE LOTTO ROBERTO (titolare) - 5 ECTS FERRI VITTORIO - 1 ECTS MORELLI DI POPOLO CECILIA - 3 ECTS
Prerequisites	No requirement
Learning outcomes	The main objective is to transmit the knowledge of the fundamental economic elements (micro and macroeconomy) and construction evaluation elements. The student will be able to analyze also the socio-economic and evaluation aspect in a building project.
Course contents	Introduction What is economy History of economy Market typology Main economic terms Institution

## Micro and macro economy: important differences

### Different economic systems

Free market

Command economy

Mixed economy

### Microeconomy

#### Main elements

Demand and supply

Elasticity

Allocation of goods and services

#### Microeconomy theory

Marginal utility

Risk and uncertainty

Production, Costs, Revenues,

Maximizing profit

Perfect competition

Monopoly and oligopoly

#### Microeconomic policy

Inequality and poverty

Social performance and income distribution

Competition, privatization and regulation

Public intervention at Community level: agricultural policies

### Macroeconomy

#### Main elements:

Macroeconomics: Events and Ideas

Gross domestic product: meaning and calculation

Price indices and the general price level

Unemployment and inflation

#### Macroeconomic theory

Long-term economic growth

Savings, income and investment spending

The currency, the banks and the central bank

The size of the nations

#### Macroeconomic policy:

Tax policy

Monetary policy

The Federal Reserve System and Action

The European Central Bank's system and action

### Public economy

#### Fundamentals of Public Economy

Public sector activity

Market failures as a justification for public intervention

Public goods and market failures  
The formation of public decisions: processes and rules of collective decision-making  
Public sector growth, public spending, public expenditure justifications

Public Economy Theory  
Debt and deficit. the justifications for the deficit and the public debt and their dysfunctions  
The rules of the Stability and Growth Pact and budgetary policy in the euro area  
The justifications of taxation: theory, taxation policy, tax effects  
Theory of different levels of government

Policies of the public economy  
Federalism and local finance  
Public transport and infrastructures: congestion, tolls, taxation of purpose  
City Government and Urban Policies

Construction evaluation:  
What is estimation  
The main estimation criteria  
Different estimating procedures  
The rural estimation  
The civilian estimation  
Real examples  
The real estate registry  
Insurance value  
Damage

Economic assessment of an urban development plan:  
- Example of a development area in Segrate (Milan);  
- Calculation of costs;  
- Calculation of revenues;  
- Feasibility assessment.

Evaluation methods:  
- qualitative and quantitative criteria;  
- subjective and objective criteria;  
- indicators;  
- Pairwise Comparison;  
- Shcimpeler and Grecco Matrix;  
- Schlager Matrix;  
- Multicriteria Matrix;  
- Analytical Hierarchical Process.

#### Teaching methods

Frontal lessons and exercises

#### Reccomended or required readings

Slides and note  
Principi di economia di Robert H. Frank (Autore),? Ben S. Bernake (Autore) (McGraw Hill)  
Economia di BEGG DAVID; FISCHER STANLEY; DORNBUSCH RUDIGER (Autore) (McGraw-Hill)

	<p>Manuale di estimo  Vittorio Gallerani, Davide Viaggi, Giacomo Zanni  Editore: McGraw-Hill Education</p>
<b>Assessment methods</b>	<p>Written and oral examination</p>
<b>Further information</b>	
<b>Sustainable development goals - Agenda 2030</b>	<p><a href="#">\$lbl_legenda_sviluppo_sostenibile</a></p>