

# **Courses Resume**

## **Third Year**

### **Fifth Semester**

#### **E 301 Economic Feasibility Study**

##### ***Basic Topics:***

- Cost – effectiveness techniques identification.
- Preliminary Selection Formulation Investment Comprising equity and Loans.
- Net domestic value of investment before modernization.
- Simple rate of return on equity capital.
- Number of new direct job opportunities.
- International competitiveness indicator problems and cases.

#### **E 302 Managerial Economics**

##### ***Basic Topics:***

- Basic tools of managerial economic analysis and examination of the economic environment of the business.
- Environment of the business enterprise the behavior consumers and firms in the product and resource market.
- Factors in the domestic and international economy that influence the level of business activity.
- The role of monetary and fiscal instruments in promoting investment projects, business activities, job opportunities, price stability and economic growth.
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#### **E 303 Engineering Economies I**

##### ***Basic Topics:***

- Economic concepts: the value of money
- Free and state – operated projects, procurement operations and commercial correspondence, insurance and engineering inspection.
- Costing: price indices, interest, and administrative investment costs, manufacturing costs, selling costs, general costs, profitability, alternative investments, optimization and economics, technical and economical feasibility study.

## **E 304 International Trade**

### ***Basic Topics:***

- The resources production, and trade of leading countries and areas, composition of world trade, theory of international specialization and exchange, comparative costs, and terms of trade, commercial policies.
- National income, and the balance of payments, fluctuation in trade and employment, international finance, foreign investment, international trade and economic development.

## **E 305 Money and Banking**

### **Basic Topics:**

- Determinants of a nation's money supply and the central bank. Monetary theory impact of changes in the stock of money on economic activity, international monetary relation, examination of different international monetary systems.

## **E 306 Enterprise Appraisal**

### ***Basic Topics:***

- The concept of Enterprise Appraisal, basic information needed for project evaluation. Evaluation of an investment project, national profitability.
- Evaluation of commercial and national profitability under uncertainty.

### **Sixth semester:**

## **E 307 Economic Development Theory**

### ***Basic Topics:***

- Theories of development, natural resources and population growth.
- Economic planning and the role of government, international aspects of economic development, capital formation. Growth models and their limitations in developing countries, role of capital investment and inflation in economic development, no economic

factors, criteria and choices of techniques in the process of development.

### **E 308 Economical Planning Policies**

#### ***Basic Topics:***

- Discussion of why economic planning is desirable, under what conditions, and in what form. How to draft a development, sectoral plans, evaluation of projects, regional planning, and planning experiences of some important countries.

### **E 309 Environment Development**

#### ***Basic Topics:***

- The concepts of environment development, Agricultural development, industrial development, the challenge to environment development policy, alternative development strategies, problems and cases.

### **E 310 Small Business Economies**

#### ***Basic Topics:***

- The concepts of the small business product. Small business finance, government interaction with small business. The role of government in the finance of the small business. Consumer behavior and product strategies. The concepts of feasibility study in small business products, distribution, pricing, and credit policies. The role of commercial banks in supporting small business, problems and cases.

### **E 311 Economies of New Constructed Societies**

#### ***Basic Topics:***

- Growth models and their limitations in developing countries, role of capital investment and inflation in economic development, non economic factors, criteria and choices of techniques in the process of development.

## **E 312 Policies Analysis for Regional Economies**

### ***Basic Topics:***

- The relation between economic analysis and economic policy. Concepts used in economic policy, aims and targets, instruments and measures.
- Qualitative and quantitative policy, elements of welfare economics.

## **Fourth Year**

### **Seventh Semester**

#### **E 401 International Economic Union**

### ***Basic Topics:***

- Theoretical models of international union. The concept of international union. International trade and finance in international union. The policy of the world today. Problems and cases.

#### **E 402 Credit Policies under Inflation**

### ***Basic Topics:***

- The concepts of inflation. The concepts of deflation. The role of commercial banks under inflation. The modern role of insurance to secure inflation. The influence of the exchange rate on credit under inflation. Problems and cases.

#### **E 403 Industrial Economics**

### ***Basic Topics:***

- Industries that are declining due to a steady decrease in demand. The importance and relevance of technical changes. Condition for cost minimization. The principle of substitution. The relation between long run and short run costs. Industry to a change in technology. The nature and significance of productivity. Major sources of increasing productivity. Cost in the long and very long run. Problems and cases.

#### **E 404 Welfare Economics**

### ***Basic Topics:***

- Causes of increase in real national income. The short and long run effect of investment on national income. The short and long run effect of saving on national income. Theories of economic welfare. A contemporary view of growth. Costs and benefits of welfare.

### **E 405 Production Economics**

#### ***Basic Topics:***

- The organization of production: proprietorships, partnerships and operations. The firm in economic theory. The rise of modern corporations. Costs and profit to the firm. The measurement of opportunity cost by the firm. Profits and resource allocation. An alternative analysis of the long run production decisions. Problems and cases of study.

### **E 406 Labor Power Management**

#### ***Basic Topics:***

- Kinds of unemployment. Unemployment policies. Experience of unemployment. Why has frictional plus structural unemployment risen over the last 15 years? Equilibrium with unemployment. Modern labor unions. Requirement of a successful union.

#### **Eighth Semester:**

### **E 407 Egypt and Middle East Economics**

#### ***Basic Topics:***

- The theory of development applied to the agricultural and industrial problems of Egypt. Theory economic development and underdevelopment applied to economic problems facing the Arab countries. The nature of the economic processes in these countries.

### **E 408 Multi – National Corporations economics**

#### ***Basic Topics:***

- Methods and objectives of national corporations. The organization of Multi – National Corporations. Do Multi – National Corporations manipulate the market. Do Multi – National Corporations maximize profits problems and cases of study.

### **E 409 Random District Economics**

#### ***Basic Topics:***

- Problems of random districts. Discrimination of random districts. The nature and evolution of random districts economics. The effect of government on random districts economics. The role of the labor union in random districts. Case Study.

### **E 410 Engineering Economics II**

#### ***Basic Topics:***

Economic concepts. The value of money. Free and state – operated projects, procurement operation and commercial correspondence, insurance and engineering inspection. Costing: price indices, interest, and administrative investment costs. Manufacturing costs, selling costs, general costs, profitability, alternative investments. Optimization and economics, technical and economical feasibility study.

### **M 418 International Finance**

#### ***Basic Topics:***

Management of international Finance. The international financial behavior of international firms. The role of international finance institutions and their effects on operating in international environment.

### **E 411 Graduation Project**

Individual advanced research to be arranged with a staff member appointed by the department.

