# **JEL Classification System Guide**

[ (Updated!) Indicates new or changed descriptor]

- A General Economics and Teaching
- B History of Economic Thought, Methodology, and Heterodox Approaches
- **C** Mathematical and Quantitative Methods
- **D** Microeconomics
- **E Macroeconomics and Monetary Economics**
- F International Economics
- **G** Financial Economics
- **H Public Economics**
- I Health, Education, and Welfare
- J Labor and Demographic Economics
- **K Law and Economics**
- L Industrial Organization
- M Business Administration and Business Economics; Marketing; Accounting
- **N Economic History**
- O Economic Development, Technological Change, and Growth
- P Economic Systems
- **O Agricultural and Natural Resource Economics; Environmental and Ecological Economics**
- R Urban, Rural, and Regional Economics
- **Y Miscellaneous Categories**
- **Z** Other Special Topics

# A - General Economics and Teaching

A1 - General Economics

- A10 General
- A11 Role of Economics; Role of Economists; Market for Economists
- A12 Relation of Economics to Other Disciplines
- A13 Relation of Economics to Social Values
- A14 Sociology of Economics
- A19 Other
- A2 Economic Education and Teaching of Economics
  - A20 General
  - A21 Pre-college
  - A22 Undergraduate

A23 - Graduate

A29 - Other

## A3 - Collective Works

A30 - General

A31 - Collected Writings of Individuals

A32 - Volumes

A33 - Handbooks

A39 - Other

# B - History of Economic Thought, Methodology, and Heterodox Approaches B0 - General

B00 - General

# B1 - History of Economic Thought through 1925

B10 - General

B11 - Preclassical (Ancient, Medieval, Mercantilist, Physiocratic)

B12 - Classical

B13 - Neoclassical through 1925 (Australian, Marshallian, Walrasian, Stockholm School)

B14 - Socialist; Marxist

B15 - Historical; Institutional; Evolutionary

B16 - History of Economic Thought: Quantitative and Mathematical

B19 - Other

## B2 - History of Economic Thought since 1925

B20 - General

B21 - Microeconomics

B22 - Macroeconomics

B23 - History of Economic Thought: Econometrics; Quantitative and

**Mathematical Studies** 

B24 - Socialist; Marxist; Sraffian

B25 - Historical; Institutional; Evolutionary; Austrian

**B26** - Financial Economics

B29 - Other

# B3 - History of Economic Thought: Individuals

B30 - General

- **B31** Individuals
- B32 Obituaries

## B4 - Economic Methodology

- B40 General
- B41 Economic Methodology
- B49 Other

# B5 - Current Heterodox Approaches

- B50 General
- B51 Socialist; Marxian; Sraffian
- B52 Institutional; Evolutionary
- B53 Austrian
- **B54** Feminist Economics
- B59 Other

#### C - Mathematical and Quantitative Methods

#### C0 - General

- C00 General
- C01 Econometrics
- C02 Mathematical Methods

## C1 - Econometric and Statistical Methods and Methodology: General

- C10 General
- C11 Bayesian Analysis: General
- C12 Hypothesis Testing: General
- C13 Estimation: General
- C14 Semiparametric and Nonparametric Methods: General
- C15 Statistical Simulation Methods: General
- C16 Specific Distributions
- C18 Methodological Issues: General
- C19 Other

## C2 - Single Equation Models; Single Variables

- C20 General
- C21 Cross-Sectional Models; Spatial Models; Treatment Effect Models;

**Quantile Regressions** 

- C22 Time-Series Models; Dynamic Quantile Regressions; Dynamic Treatment Models
- C23 Models with Panel Data; Longitudinal Data; Spatial Time Series
- C24 Truncated and Censored Models; Switching Regression Models

- C25 Discrete Regression and Qualitative Choice Models; Discrete Regressors; Proportions
- C26 Instrumental Variables (IV) Estimation
- C29 Other
- C3 Multiple or Simultaneous Equation Models; Multiple Variables
  - C30 General
  - C31 Cross-Sectional Models; Spatial Models; Treatment Effect Models;

Quantile Regressions; Social Interaction Models

- C32 Time-Series Models; Dynamic Quantile Regressions; Dynamic Treatment Models
- C33 Models with Panel Data; Longitudinal Data; Spatial Time Series
- C34 Truncated and Censored Models; Switching Regression Models
- C35 Discrete Regression and Qualitative Choice Models; Discrete Regressors; Proportions
- C36 Instrumental Variables (IV) Estimation
- C38 Classification Methods; Cluster Analysis; Factor Analysis
- C39 Other
- C4 Econometric and Statistical Methods: Special Topics
  - C40 General
  - C41 Duration Analysis; Optimal Timing Strategies
  - C43 Index Numbers and Aggregation
  - C44 Statistical Decision Theory; Operations Research
  - C45 Neural Networks and Related Topics
  - C46 Specific Distributions; Specific Statistics
  - C49 Other
- C5 Econometric Modeling
  - C50 General
  - C51 Model Construction and Estimation
  - C52 Model Evaluation, Validation, and Selection
  - C53 Forecasting Models; Simulation Methods
  - C54 Quantitative Policy Modeling
  - C58 Financial Econometrics
  - C59 Other
- C6 Mathematical Methods; Programming Models; Mathematical and Simulation Modeling
  - C60 General
  - C61 Optimization Techniques; Programming Models; Dynamic Analysis
  - C62 Existence and Stability Conditions of Equilibrium
  - C63 Computational Techniques; Simulation Modeling

- C65 Miscellaneous Mathematical Tools
- C67 Input-Output Models
- C68 Computable General Equilibrium Models
- C69 Other

## C7 - Game Theory and Bargaining Theory

- C70 General
- C71 Cooperative Games
- C72 Noncooperative Games
- C73 Stochastic and Dynamic Games; Evolutionary Games; Repeated Games
- C78 Bargaining Theory; Matching Theory
- C79 Other

## C8 - Data Collection and Data Estimation Methodology; Computer Programs

- C80 General
- C81 Methodology for Collecting, Estimating, and Organizing Microeconomic
- Data; Data Analysis
- C82 Methodology for Collecting, Estimating, and Organizing Macroeconomic
- Data; Data Analysis
- C83 Survey Methods; Sampling Methods
- C87 Econometric Software
- C88 Other Computer Software
- C89 Other

# C9 - Design of Experiments

- C90 General
- C91 Laboratory, Individual Behavior
- C92 Laboratory, Group Behavior
- C93 Field Experiments
- C99 Other

#### D - Microeconomics

#### D0 - General

- D00 General
- D01 Microeconomic Behavior: Underlying Principles
- D02 Institutions: Design, Formation, and Operations
- D03 Behavioral Economics; Underlying Principles
- D04 Microeconomic Policy: Formulation; Implementation; Evaluation

## D1 - Household Behavior and Family Economics

D10 - General

- D11 Consumer Economics: Theory
- D12 Consumer Economics: Empirical Analysis
- D13 Household Production and Intrahousehold Allocation
- D14 Personal Finance
- D18 Consumer Protection
- D19 Other

## D2 - Production and Organizations

- D20 General
- D21 Firm Behavior: Theory
- D22 Firm Behavior: Empirical Analysis
- D23 Organizational Behavior; Transaction Costs; Property Rights
- D24 Production; Cost; Capital, Total Factor, and Multifactor Productivity;

Capacity

D29 - Other

#### D3 - Distribution

- D30 General
- D31 Personal Income, Wealth, and Their Distributions
- D33 Factor Income Distribution
- D39 Other

# D4 - Market Structure and Pricing

- D40 General
- D41 Perfect Competition
- D42 Monopoly
- D43 Oligopoly and Other Forms of Market Imperfection
- D44 Auctions
- D45 Rationing; Licensing
- D46 Value Theory
- D49 Other

## D5 - General Equilibrium and Disequilibrium

- D50 General
- D51 Exchange and Production Economies
- D52 Incomplete Markets
- D53 Financial Markets
- D57 Input-Output Tables and Analysis
- D58 Computable and Other Applied General Equilibrium Models
- D59 Other

#### D6 - Welfare Economics

- D60 General
- D61 Allocative Efficiency; Cost-Benefit Analysis
- D62 Externalities
- D63 Equity, Justice, Inequality, and Other Normative Criteria and Measurement
- D64 Altruism
- D69 Other

# D7 - Analysis of Collective Decision-Making

- D70 General
- D71 Social Choice; Clubs; Committees; Associations
- D72 Political Processes: Rent-Seeking, Lobbying, Elections, Legislatures, and Voting Behavior
- D73 Bureaucracy; Administrative Processes in Public Organizations; Corruption
- D74 Conflict; Conflict Resolution; Alliances
- D78 Positive Analysis of Policy-Making and Implementation
- D79 Other

#### D8 - Information, Knowledge, and Uncertainty

- D80 General
- D81 Criteria for Decision-Making under Risk and Uncertainty
- D82 Asymmetric and Private Information
- D83 Search; Learning; Information and Knowledge; Communication; Belief
- D84 Expectations; Speculations
- D85 Network Formation and Analysis: Theory
- D86 Economics of Contract: Theory
- D87 Neuroeconomics
- D89 Other

## D9 - Intertemporal Choice and Growth

- D90 General
- D91 Intertemporal Consumer Choice; Life Cycle Models and Saving
- D92 Intertemporal Firm Choice and Growth, Financing, Investment, and Capacity
- D99 Other

#### E - Macroeconomics and Monetary Economics

#### E0 - General

- E00 General
- E01 Measurement and Data on National Income and Product Accounts and

Wealth; Environmental Accounts

E02 - Institutions and the Macroeconomy

## E1 - General Aggregative Models

- E10 General
- E11 Marxian; Sraffian; Institutional; Evolutionary
- E12 Keynes; Keynesian; Post-Keynesian
- E13 Neoclassical
- E17 Forecasting and Simulation: Models and Applications
- E19 Other

## E2 - Macroeconomics: Consumption, Saving, Production, Employment, and Investment

- E20 General
- E21 Consumption; Saving; Wealth
- E22 Capital; Investment; Capacity
- E23 Production
- E24 Employment; Unemployment; Wages; Intergenerational Income

Distribution; Aggregate Human Capital

- E25 Aggregate Factor Income Distribution
- E26 Informal Economy; Underground Economy
- E27 Forecasting and Simulation: Models and Applications
- E29 Other

# E3 - Prices, Business Fluctuations, and Cycles

- E30 General
- E31 Price Level; Inflation; Deflation
- E32 Business Fluctuations; Cycles
- E37 Forecasting and Simulation: Models and Applications
- E39 Other

#### E4 - Money and Interest Rates

- E40 General
- E41 Demand for Money
- E42 Monetary Systems; Standards; Regimes; Government and the Monetary

System; Payment Systems

- E43 Interest Rates: Determination, Term Structure, and Effects
- E44 Financial Markets and the Macroeconomy
- E47 Forecasting and Simulation: Models and Applications
- E49 Other

# E5 - Monetary Policy, Central Banking, and the Supply of Money and Credit

- E50 General
- E51 Money Supply; Credit; Money Multipliers
- E52 Monetary Policy

E58 - Central Banks and Their Policies

E59 - Other

# E6 - Macroeconomic Policy, Macroeconomic Aspects of Public Finance, and General Outlook

E60 - General

E61 - Policy Objectives; Policy Designs and Consistency; Policy Coordination

E62 - Fiscal Policy

E63 - Comparative or Joint Analysis of Fiscal and Monetary Policy; Stabilization;

Treasury Policy

E64 - Incomes Policy; Price Policy

E65 - Studies of Particular Policy Episodes

E66 - General Outlook and Conditions

E69 - Other

#### F - International Economics

#### F0 - General

F00 - General

F01 - Global Outlook

F02 - International Economic Order

#### F1 - Trade

F10 - General

F11 - Neoclassical Models of Trade

F12 - Models of Trade with Imperfect Competition and Scale Economies

F13 - Trade Policy; International Trade Organizations

F14 - Country and Industry Studies of Trade

F15 - Economic Integration

F16 - Trade and Labor Market Interactions

F17 - Trade Forecasting and Simulation

F18 - Trade and Environment

F19 - Other

#### F2 - International Factor Movements and International Business

F20 - General

F21 - International Investment; Long-Term Capital Movements

F22 - International Migration

F23 - Multinational Firms; International Business

F24 - Remittances

F29 - Other

#### F3 - International Finance

- F30 General
- F31 Foreign Exchange
- F32 Current Account Adjustment; Short-Term Capital Movements
- F33 International Monetary Arrangements and Institutions
- F34 International Lending and Debt Problems
- F35 Foreign Aid
- F36 Financial Aspects of Economic Integration
- F37 International Finance Forecasting and Simulation: Models and Applications
- F39 Other

# F4 - Macroeconomic Aspects of International Trade and Finance

- F40 General
- F41 Open Economy Macroeconomics
- F42 International Policy Coordination and Transmission
- F43 Economic Growth of Open Economies
- F44 International Business Cycles
- F47 Forecasting and Simulation: Models and Applications
- F49 Other

## F5 - International Relations and International Political Economy

- F50 General
- F51 International Conflicts; Negotiations; Sanctions
- F52 National Security; Economic Nationalism
- F53 International Agreements and Observance; International Organizations
- F54 Colonialism; Imperialism; Postcolonialism
- F55 International Institutional Arrangements
- F59 International Relations and International Political Economy: Other

#### G - Financial Economics

- G0 General
  - G00 General
  - G01 Financial Crises

#### G1 - General Financial Markets

- G10 General
- G11 Portfolio Choice; Investment Decisions
- G12 Asset Pricing; Trading volume; Bond Interest Rates
- G13 Contingent Pricing; Futures Pricing
- G14 Information and Market Efficiency; Event Studies
- G15 International Financial Markets
- G17 Financial Forecasting and Simulation

- G18 Government Policy and Regulation
- G19 Other

#### G2 - Financial Institutions and Services

- G20 General
- G21 Banks; Other Depository Institutions; Micro Finance Institutions;

Mortgages

- G22 Insurance; Insurance Companies
- G23 Pension Funds; Other Private Financial Institutions
- G24 Investment Banking; Venture Capital; Brokerage; Ratings and Ratings Agencies
- G28 Government Policy and Regulation
- G29 Other

# G3 - Corporate Finance and Governance

- G30 General
- G31 Capital Budgeting; Fixed Investment and Inventory Studies; Capacity
- G32 Financing Policy; Financial Risk and Risk Management; Capital and Ownership Structure
- G33 Bankruptcy; Liquidation
- G34 Mergers; Acquisitions; Restructuring; Corporate Governance
- G35 Payout Policy
- G38 Government Policy and Regulation
- G39 Other

#### H - Public Economics

H0 - General

H00 - General

# H1 - Structure and Scope of Government

- H10 General
- H11 Structure, Scope, and Performance of Government
- H12 Crisis Management
- H19 Other

#### H2 - Taxation, Subsidies, and Revenue

- H20 General
- H21 Efficiency; Optimal Taxation
- H22 Incidence
- H23 Externalities; Redistributive Effects; Environmental Taxes and Subsidies
- H24 Personal Income and Other Nonbusiness Taxes and Subsidies

- H25 Business Taxes and Subsidies
- H26 Tax Evasion
- H27 Other Sources of Revenue
- H29 Other

## H3 - Fiscal Policies and Behavior of Economic Agents

- H30 General
- H31 Household
- H32 Firm
- H39 Other

## H4 - Publicly Provided Goods

- H40 General
- H41 Public Goods
- H42 Publicly Provided Private Goods
- H43 Project Evaluation; Social Discount Rate
- H44 Publicly Provided Goods: Mixed Markets
- H49 Other

## H5 - National Government Expenditures and Related Policies

- H50 General
- H51 Government Expenditures and Health
- H52 Government Expenditures and Education
- H53 Government Expenditures and Welfare Programs
- H54 Infrastructures; Other Public Investment and Capital Stock
- H55 Social Security and Public Pensions
- H56 National Security and War
- H57 Procurement
- H59 Other

# H6 - National Budget, Deficit, and Debt

- H60 General
- H61 Budget; Budget Systems
- H62 Deficit; Surplus
- H63 Debt; Debt Management; Sovereign Debt
- H68 Forecasts of Budgets, Deficits, and Debt
- H69 Other

## H7 - State and Local Government; Intergovernmental Relations

- H70 General
- H71 State and Local Taxation, Subsidies, and Revenue
- H72 State and Local Budget and Expenditures

- H73 Interjurisdictional Differentials and Their Effects
- H74 State and Local Borrowing
- H75 State and Local Government: Health; Education; Welfare; Public Pensions
- H76 State and Local Government: Other Expenditure Categories
- H77 Intergovernmental Relations; Federalism; Secession
- H79 Other

#### H8 - Miscellaneous Issues

- H80 General
- H81 Governmental Loans, Loan Guarantees, Credits, and Grants
- H82 Governmental Property
- H83 Public Administration; Public Sector Accounting and Audits
- H87 International Fiscal Issues; International Public Goods
- H89 Other

## I - Health, Education, and Welfare

I0 - General

I00 - General

#### I1 - Health

- I10 General
- II1 Analysis of Health Care Markets
- I12 Health Production
- I14 Health and Inequality (Updated!)
- I15 Health and Economic Development (Updated!)
- I18 Government Policy; Regulation; Public Health
- I19 Other

#### I2 - Education and Research Institutions

- I20 General
- I21 Analysis of Education
- I22 Educational Finance
- I23 Higher Education and Research Institutions
- I24 Education and Inequality (Updated!)
- I25 Education and Economic Development (Updated!)
- **I28** Government Policy
- I29 Other

#### I3 - Welfare and Poverty

- I30 General
- I31 General Welfare

- I32 Measurement and Analysis of Poverty
- 138 Government Policy; Provision and Effects of Welfare Programs
- I39 Other

## J - Labor and Demographic Economics

#### J0 - General

- J00 General
- J01 Labor Economics: General
- J08 Labor Economics Policies

## J1 - Demographic Economics

- J10 General
- J11 Demographic Trends and Forecasts
- J12 Marriage; Marital Dissolution; Family Structure; Domestic Abuse
- J13 Fertility; Family Planning; Child Care; Children; Youth
- J14 Economics of the Elderly; Economics of the Handicapped; Non-Labor Market Discrimination
- J15 Economics of Minorities and Races; Non-labor Discrimination
- J16 Economics of Gender; Non-labor Discrimination
- J17 Value of Life; Forgone Income
- J18 Public Policy
- J19 Other

# J2 - Demand and Supply of Labor

- J20 General
- J21 Labor Force and Employment, Size, and Structure
- J22 Time Allocation and Labor Supply
- J23 Labor Demand
- J24 Human Capital; Skills; Occupational Choice; Labor Productivity
- J26 Retirement; Retirement Policies
- J28 Safety; Job Satisfaction; Related Public Policy
- J29 Other

#### J3 - Wages, Compensation, and Labor Costs

- J30 General
- J31 Wage Level and Structure; Wage Differentials
- J32 Nonwage Labor Costs and Benefits; Private Pensions
- J33 Compensation Packages; Payment Methods
- J38 Public Policy
- J39 Other

#### J4 - Particular Labor Markets

- J40 General
- J41 Labor Contracts
- J42 Monopsony; Segmented Labor Markets
- J43 Agricultural Labor Markets
- J44 Professional Labor Markets; Occupational Licensing
- J45 Public Sector Labor Markets
- J47 Coercive Labor Markets
- J48 Public Policy
- J49 Other

# J5 - Labor-Management Relations, Trade Unions, and Collective Bargaining

- J50 General
- J51 Trade Unions: Objectives, Structure, and Effects
- J52 Dispute Resolution: Strikes, Arbitration, and Mediation; Collective Bargaining
- J53 Labor-Management Relations; Industrial Jurisprudence
- J54 Producer Cooperatives; Labor Managed Firms; Employee Ownership
- J58 Public Policy
- J59 Other

# J6 - Mobility, Unemployment, and Vacancies

- J60 General
- J61 Geographic Labor Mobility; Immigrant Workers
- J62 Job, Occupational, and Intergenerational Mobility
- J63 Turnover; Vacancies; Layoffs
- J64 Unemployment: Models, Duration, Incidence, and Job Search
- J65 Unemployment Insurance; Severance Pay; Plant Closings
- J68 Public Policy
- J69 Other

#### J7 - Labor Discrimination

- J70 General
- J71 Discrimination
- J78 Public Policy
- J79 Other

#### J8 - Labor Standards: National and International

- J80 General
- J81 Working Conditions
- J82 Labor Force Composition
- J83 Workers' Rights

J88 - Public Policy

J89 - Other

## K - Law and Economics

K0 - General

K00 - General

#### K1 - Basic Areas of Law

K10 - General

K11 - Property Law

K12 - Contract Law

K13 - Tort Law and Product Liability

K14 - Criminal Law

K19 - Other

# K2 - Regulation and Business Law

K20 - General

K21 - Antitrust Law

K22 - Corporation and Securities Law

K23 - Regulated Industries and Administrative Law

K29 - Other

## K3 - Other Substantive Areas of Law

K30 - General

K31 - Labor Law

K32 - Environmental, Health, and Safety Law

K33 - International Law

K34 - Tax Law

K35 - Personal Bankruptcy Law

K36 - Family and Personal Law

K39 - Other

# K4 - Legal Procedure, the Legal System, and Illegal Behavior

K40 - General

K41 - Litigation Process

K42 - Illegal Behavior and the Enforcement of Law

K49 - Other

# L - Industrial Organization

L0 - General

#### L00 - General

# L1 - Market Structure, Firm Strategy, and Market Performance

- L10 General
- L11 Production, Pricing, and Market Structure; Size Distribution of Firms
- L12 Monopoly; Monopolization Strategies
- L13 Oligopoly and Other Imperfect Markets
- L14 Transactional Relationships; Contracts and Reputation; Networks
- L15 Information and Product Quality; Standardization and Compatibility
- L16 Industrial Organization and Macroeconomics: Industrial Structure and Structural Change; Industrial Price Indices
- L17 Open Source Products and Markets
- L19 Other

# L2 - Firm Objectives, Organization, and Behavior

- L20 General
- L21 Business Objectives of the Firm
- L22 Firm Organization and Market Structure
- L23 Organization of Production
- L24 Contracting Out; Joint Ventures; Technology Licensing
- L25 Firm Performance: Size, Diversification, and Scope
- L26 Entrepreneurship
- L29 Other

# L3 - Nonprofit Organizations and Public Enterprise

- L30 General
- L31 Nonprofit Institutions; NGOs
- L32 Public Enterprises; Public-Private Enterprises
- L33 Comparison of Public and Private Enterprises and Nonprofit Institutions;
- Privatization; Contracting Out
- L38 Public Policy
- L39 Other

#### L4 - Antitrust Issues and Policies

- L40 General
- L41 Monopolization; Horizontal Anticompetitive Practices
- L42 Vertical Restraints; Resale Price Maintenance; Quantity Discounts
- L43 Legal Monopolies and Regulation or Deregulation
- L44 Antitrust Policy and Public Enterprises, Nonprofit Institutions, and Professional Organizations
- L49 Other

## L5 - Regulation and Industrial Policy

- L50 General
- L51 Economics of Regulation
- L52 Industrial Policy; Sectoral Planning Methods
- L53 Enterprise Policy
- L59 Other

# L6 - Industry Studies: Manufacturing

- L60 General
- L61 Metals and Metal Products; Cement; Glass; Ceramics
- L62 Automobiles; Other Transportation Equipment
- L63 Microelectronics; Computers; Communications Equipment
- L64 Other Machinery; Business Equipment; Armaments
- L65 Chemicals; Rubber; Drugs; Biotechnology
- L66 Food; Beverages; Cosmetics; Tobacco; Wine and Spirits
- L67 Other Consumer Nondurables: Clothing, Textiles, Shoes, and Leather
- L68 Appliances; Other Consumer Durables
- L69 Other

# L7 - Industry Studies: Primary Products and Construction

- L70 General
- L71 Mining, Extraction, and Refining: Hydrocarbon Fuels
- L72 Mining, Extraction, and Refining: Other Nonrenewable Resources
- L73 Forest Products
- L74 Construction
- L78 Government Policy
- L79 Other

## L8 - Industry Studies: Services

- L80 General
- L81 Retail and Wholesale Trade; e-Commerce
- L82 Entertainment; Media
- L83 Sports; Gambling; Recreation; Tourism
- L84 Personal, Professional, and Business Services
- L85 Real Estate Services
- L86 Information and Internet Services; Computer Software
- L87 Postal and Delivery Services
- L88 Government Policy
- L89 Other

## L9 - Industry Studies: Transportation and Utilities

L90 - General

- L91 Transportation: General
- L92 Railroads and Other Surface Transportation
- L93 Air Transportation
- L94 Electric Utilities
- L95 Gas Utilities; Pipelines; Water Utilities
- L96 Telecommunications
- L97 Utilities: General
- L98 Government Policy
- L99 Other

# M - Business Administration and Business Economics; Marketing; Accounting M0 - General

M00 - General

#### M1 - Business Administration

- M10 General
- M11 Production Management
- M12 Personnel Management; Executive Compensation
- M13 New Firms; Startups
- M14 Corporate Culture; Social Responsibility
- M15 IT Management
- M16 International Business Administration
- M19 Other

## M2 - Business Economics

- M20 General
- M21 Business Economics
- M29 Other

# M3 - Marketing and Advertising

- M30 General
- M31 Marketing
- M37 Advertising
- M38 Government Policy and Regulation
- M39 Other

# M4 - Accounting and Auditing

- M40 General
- M41 Accounting
- M42 Auditing

M48 - Government Policy and Regulation

M49 - Other

#### M5 - Personnel Economics

M50 - General

M51 - Firm Employment Decisions; Promotions

M52 - Compensation and Compensation Methods and Their Effects

M53 - Training

M54 - Labor Management

M55 - Labor Contracting Devices

M59 - Other

## N - Economic History

N0 - General

N00 - General

N01 - Development of the Discipline: Historiographical; Sources and Methods

## N1 - Macroeconomics and Monetary Economics; Growth and Fluctuations

N10 - General, International, or Comparative

N11 - U.S.; Canada: Pre-1913

N12 - U.S.; Canada: 1913-

N13 - Europe: Pre-1913

N14 - Europe: 1913-

N15 - Asia including Middle East

N16 - Latin America; Caribbean

N17 - Africa; Oceania

#### N2 - Financial Markets and Institutions

N20 - General, International, or Comparative

N21 - U.S.; Canada: Pre-1913

N22 - U.S.; Canada: 1913-

N23 - Europe: Pre-1913

N24 - Europe: 1913-

N25 - Asia including Middle East

N26 - Latin America; Caribbean

N27 - Africa; Oceania

# N3 - Labor and Consumers, Demography, Education, Health, Welfare, Income, Wealth, Religion, and Philanthropy

N30 - General, International, or Comparative

N31 - U.S.; Canada: Pre-1913

N32 - U.S.; Canada: 1913-

N33 - Europe: Pre-1913

N34 - Europe: 1913-

N35 - Asia including Middle East

N36 - Latin America; Caribbean

N37 - Africa; Oceania

#### N4 - Government, War, Law, International Relations, and Regulation

N40 - General, International, or Comparative

N41 - U.S.; Canada: Pre-1913

N42 - U.S.; Canada: 1913-

N43 - Europe: Pre-1913

N44 - Europe: 1913-

N45 - Asia including Middle East

N46 - Latin America; Caribbean

N47 - Africa; Oceania

## N5 - Agriculture, Natural Resources, Environment, and Extractive Industries

N50 - General, International, or Comparative

N51 - U.S.; Canada: Pre-1913

N52 - U.S.; Canada: 1913-

N53 - Europe: Pre-1913

N54 - Europe: 1913-

N55 - Asia including Middle East

N56 - Latin America; Caribbean

N57 - Africa; Oceania

## N6 - Manufacturing and Construction

N60 - General, International, or Comparative

N61 - U.S.; Canada: Pre-1913

N62 - U.S.; Canada: 1913-

N63 - Europe: Pre-1913

N64 - Europe: 1913-

N65 - Asia including Middle East

N66 - Latin America; Caribbean

N67 - Africa; Oceania

## N7 - Transport, Trade, Energy, Technology, and Other Services

N70 - General, International, or Comparative

N71 - U.S.; Canada: Pre-1913

N72 - U.S.; Canada: 1913-

N73 - Europe: Pre-1913

N74 - Europe: 1913-

N75 - Asia including Middle East

N76 - Latin America; Caribbean

N77 - Africa; Oceania

## N8 - Micro-Business History

N80 - General, International, or Comparative

N81 - U.S.; Canada: Pre-1913

N82 - U.S.; Canada: 1913-

N83 - Europe: Pre-1913

N84 - Europe: 1913-

N85 - Asia including Middle East

N86 - Latin America; Caribbean

N87 - Africa; Oceania

# N9 - Regional and Urban History

N90 - General, International, or Comparative

N91 - U.S.; Canada: Pre-1913

N92 - U.S.; Canada: 1913-

N93 - Europe: Pre-1913

N94 - Europe: 1913-

N95 - Asia including Middle East

N96 - Latin America; Caribbean

N97 - Africa; Oceania

## O - Economic Development, Technological Change, and Growth

## O1 - Economic Development

O10 - General

O11 - Macroeconomic Analyses of Economic Development

O12 - Microeconomic Analyses of Economic Development

O13 - Agriculture; Natural Resources; Energy; Environment; Other Primary Products

O14 - Industrialization; Manufacturing and Service Industries; Choice of Technology

O15 - Human Resources; Human Development; Income Distribution; Migration

O16 - Economic Development: Financial Markets; Saving and Capital

Investment; Corporate Finance and Governance

O17 - Formal and Informal Sectors; Shadow Economy; Institutional Arrangements

O18 - Regional, Urban, and Rural Analyses; Transportation

O19 - International Linkages to Development; Role of International Organizations

# O2 - Development Planning and Policy

- O20 General
- O21 Planning Models; Planning Policy
- O22 Project Analysis
- O23 Fiscal and Monetary Policy in Development
- O24 Trade Policy; Factor Movement Policy; Foreign Exchange Policy
- O25 Industrial Policy
- O29 Other

## O3 - Technological Change; Research and Development

- O30 General
- O31 Innovation and Invention: Processes and Incentives
- O32 Management of Technological Innovation and R&D
- O33 Technological Change: Choices and Consequences; Diffusion Processes
- O34 Intellectual Property Rights
- O38 Government Policy
- O39 Other

## O4 - Economic Growth and Aggregate Productivity

- O40 General
- O41 One, Two, and Multisector Growth Models
- O42 Monetary Growth Models
- O43 Institutions and Growth
- O44 Environment and Growth
- O47 Measurement of Economic Growth; Aggregate Productivity; Cross-Country

Output Convergence

O49 - Other

#### O5 - Economywide Country Studies

- O50 General
- O51 U.S.; Canada
- O52 Europe
- O53 Asia including Middle East
- O54 Latin America; Caribbean
- O55 Africa
- O56 Oceania
- O57 Comparative Studies of Countries

# P - Economic Systems

P0 - General

P00 - General

#### P1 - Capitalist Systems

- P10 General
- P11 Planning, Coordination, and Reform
- P12 Capitalist Enterprises
- P13 Cooperative Enterprises
- P14 Property Rights
- P16 Political Economy
- P17 Performance and Prospects
- P19 Other

# P2 - Socialist Systems and Transitional Economies

- P20 General
- P21 Planning, Coordination, and Reform
- P22 Prices
- P23 Factor and Product Markets; Industry Studies; Population
- P24 National Income, Product, and Expenditure; Money; Inflation
- P25 Urban, Rural, and Regional Economics
- P26 Political Economy; Property Rights
- P27 Performance and Prospects
- P28 Natural Resources; Energy; Environment
- P29 Other

#### P3 - Socialist Institutions and Their Transitions

- P30 General
- P31 Socialist Enterprises and Their Transitions
- P32 Collectives; Communes; Agriculture
- P33 International Trade, Finance, Investment, and Aid
- P34 Financial Economics
- P35 Public Economics
- P36 Socialist Institutions and Their Transitions: Consumer Economics; Health;

Education and Training; Welfare, Income, Wealth, and Poverty

- P37 Legal Institutions; Illegal Behavior
- P39 Other

## P4 - Other Economic Systems

- P40 General
- P41 Planning, Coordination, and Reform
- P42 Productive Enterprises; Factor and Product Markets; Prices; Population
- P43 Public Economics; Financial Economics
- P44 National Income, Product, and Expenditure; Money; Inflation
- P45 International Trade, Finance, Investment, and Aid
- P46 Consumer Economics; Health; Education and Training; Welfare, Income,

Wealth, and Poverty

P47 - Performance and Prospects

P48 - Political Economy; Legal Institutions; Property Rights; Natural Resources;

Energy; Environment; Regional Studies

P49 - Other

# P5 - Comparative Economic Systems

P50 - General

P51 - Comparative Analysis of Economic Systems

P52 - Comparative Studies of Particular Economies

P59 - Other

# Q - Agricultural and Natural Resource Economics; Environmental and Ecological Economics Q0 - General

O00 - General

Q01 - Sustainable Development

Q02 - Global Commodity Crises

## Q1 - Agriculture

Q10 - General

Q11 - Aggregate Supply and Demand Analysis; Prices

Q12 - Micro Analysis of Farm Firms, Farm Households, and Farm Input Markets

Q13 - Agricultural Markets and Marketing; Cooperatives; Agribusiness

Q14 - Agricultural Finance

Q15 - Land Ownership and Tenure; Land Reform; Land Use; Irrigation;

Agriculture and Environment

Q16 - R&D; Agricultural Technology; Biofuels; Agricultural Extension Services

Q17 - Agriculture in International Trade

Q18 - Agricultural Policy; Food Policy

Q19 - Other

## Q2 - Renewable Resources and Conservation

O20 - General

Q21 - Demand and Supply

Q22 - Fishery; Aquaculture

Q23 - Forestry

Q24 - Land

Q25 - Water

Q26 - Recreational Aspects of Natural Resources

Q27 - Renewable Resources and Conservation: Issues in International Trade

Q28 - Government Policy

Q29 - Other

# Q3 - Nonrenewable Resources and Conservation

- Q30 General
- Q31 Demand and Supply
- Q32 Exhaustible Resources and Economic Development
- Q34 Natural Resources and Domestic and International Conflicts
- Q33 Resource Booms
- Q38 Government Policy
- Q39 Other

## Q4 - Energy

- O40 General
- Q41 Demand and Supply
- Q42 Alternative Energy Sources
- Q43 Energy and the Macroeconomy
- Q47 Energy Forecasting
- Q48 Government Policy
- Q49 Other

## Q5 - Environmental Economics

- O50 General
- Q51 Valuation of Environmental Effects
- Q52 Pollution Control Adoption Costs; Distributional Effects; Employment Effects
- Q53 Air Pollution; Water Pollution; Noise; Hazardous Waste; Solid Waste; Recycling
- Q54 Climate; Natural Disasters; Global Warming
- Q55 Technological Innovation
- Q56 Environment and Development; Environment and Trade; Sustainability; Environmental Accounts and Accounting; Environmental Equity; Population Growth
- Q57 Ecological Economics: Ecosystem Services; Biodiversity Conservation; Bioeconomics; Industrial Ecology
- Q58 Government Policy
- Q59 Other

#### R - Urban, Rural, and Regional Economics

R0 - General

R00 - General

## R1 - General Regional Economics

R10 - General

- R11 Regional Economic Activity: Growth, Development, and Changes
- R12 Size and Spatial Distributions of Regional Economic Activity
- R13 General Equilibrium and Welfare Economic Analysis of Regional Economies
- R14 Land Use Patterns
- R15 Econometric and Input-Output Models; Other Models
- R19 Other

#### R2 - Household Analysis

- R20 General
- R21 Housing Demand
- R22 Other Demand
- R23 Regional Migration; Regional Labor Markets; Population; Neighborhood Characteristics
- R28 Government Policy
- R29 Other

## R3 - Housing Markets, Production Analysis, and Firm Location

- R30 General
- R31 Housing Supply and Markets
- R32 Other Production and Pricing Analysis
- R33 Nonagricultural and Nonresidential Real Estate Markets
- R34 Input Demand Analysis
- R38 Government Policies; Regulatory Policies
- R39 Other

## R4 - Transportation Systems

- R40 General
- R41 Transportation: Demand, Supply, and Congestion; Safety and Accidents; Transportation Noise
- R42 Government and Private Investment Analysis; Road Maintenance; Transportation Planning
- R48 Government Pricing; Regulatory Policies; Transportation Planning
- R49 Other

## R5 - Regional Government Analysis

- R50 General
- R51 Finance in Urban and Rural Economies
- R52 Land Use and Other Regulations
- R53 Public Facility Location Analysis; Public Investment and Capital Stock
- R58 Regional Development Planning and Policy
- R59 Other

# Y - Miscellaneous Categories

Y1 - Data: Tables and Charts

Y10 - Data: Tables and Charts

Y2 - Introductory Material

Y20 - Introductory Material

Y3 - Book Reviews (unclassified)

Y30 - Book Reviews (unclassified)

Y4 - Dissertations (unclassified)

Y40 - Dissertations (unclassified)

Y5 - Further Reading (unclassified)

Y50 - Further Reading (unclassified)

Y6 - Excerpts

Y60 - Excerpts

Y7 - No Author General Discussions

Y70 - No Author General Discussions

Y8 - Related Disciplines

Y80 - Related Disciplines

Y9 - Other

Y90 - Other

Y91 - Pictures and Maps

# Z - Other Special Topics

Z0 - General

Z00 - General

Z1 - Cultural Economics; Economic Sociology; Economic Anthropology

Z10 - General

- Z11 Economics of the Arts and Literature
- Z12 Religion
- Z13 Economic Sociology; Economic Anthropology; Social and Economic Stratification Z19 - Other