

APPLIED SYSTEM ANALYSIS (Ph.D.)

Programme Code: APSA27

Programme Outcome:

- To conduct policy-oriented research into problems involving multi-disciplinary approach
- People centric and action-oriented research
- Multidisciplinary approach for Problem solving
- Interaction between natural sciences and Social Sciences
- Exploring interface areas of Science Technology and Society

DETAILED COURSE STRUCTURE

Sl No.	Course Code	Course Name	Credits
Semester 1			
1	HSS***	Theory 1	4
2	HSS700	RM/RPE	3
Semester 2			
3	HSS***	Theory 2	4
4	HSS699	Research Project	7
Total			18

Note: L = Lecture, P = Practical, T = Tutorial.

List of Courses (for Theory 1 and Theory 2 courses)					
Sl No	Code	Course	L-P-T	No of Lectures in hrs	Credits
1	HSS611	Advanced Economic Theory	53-0-07	60	4
2	HSS612	Econometric Theory and Applications	40-0-20	60	4
3	HSS613	Issues in Public Finance	46-0-14	60	4
4	HSS614	Development Economics	40-0-20	60	4

5	HSS615	Environmental and Ecological Economics	38-0-22	60	4
6	HSS616	Poverty, Inequality and Development	50-0-10	60	4
7	HSS617	Project Evaluation	42-0-18	60	4
8	HSS618	Indian Industrial Development	46-0-14	60	4
9	HSS619	New Institutional Economics	50-0-10	60	4
10	HSS620	International Trade and Finance	46-0-14	60	4
11	HSS621	Topics in Experimental and Behavioural Approaches to Economic Development	42-0-18	60	4
12	HSS622	Environmental Economics and EIA	48-0-12	60	4
13	HSS631	Humanities and The Institutional Space	46-0-14	60	4
14	HSS632	The Modern European Novel	46-0-14	60	4
15	HSS633	The Idea of The Nation in Indian English Fiction	46-0-14	60	4
16	HSS634	Black Intellectual Traditions and The Narratives of Race in America	46-0-14	60	4
17	HSS635	Writings of The South Asian Diaspora	46-0-14	60	4
18	HSS636	Translation and Culture: Issues and Perspectives	46-0-14	60	4
19	HSS651	Organizational Behaviour	46-0-14	60	4
20	HSS652	Leadership	46-0-14	60	4

21	HSS653	Organizational Change and Development	46-0-14	60	4
22	HSS654	Positive Psychology	46-0-14	60	4
23	HSS655	Cross Cultural Psychology	46-0-14	60	4
24	HSS656	Business Ethics	46-0-14	60	4
25	HSS671	Classical Sociological Theory	45-0-15	60	4
26	HSS672	Information and Society	46-0-14	60	4
27	HSS673	Sociology of Development	45-0-15	60	4
28	HSS674	Contemporary Social Theory	46-0-14	60	4
29	HSS675	Qualitative Research Methods	45-0-15	60	4
30	HSS676	Quantitative Research Method	46-0-14	60	4
31	HSS677	Social Network Analysis	46-0-14	60	4

COORDINATORS

Chief Coordinators:

Convener, Post-Graduate Committee of the School, Humanities and Social Sciences

(Dr. Amarjeet Nayak),

Chairperson of the School of Humanities and Social Sciences (Dr. Pranay Swain)

COURSES CO-ORDINATORS

Course	Coordinators	Email
Advanced Economic Theory	Dr Amarendra Das	amarendra@niser.ac.in
Econometric Theory and Applications	Dr Amarendra Das	amarendra@niser.ac.in
Issues in Public Finance	Dr Amarendra Das	amarendra@niser.ac.in
Development Economics	Dr Amarendra Das	amarendra@niser.ac.in
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Poverty, Inequality and Development	Dr Amarendra Das	amarendra@niser.ac.in
Project Evaluation	Dr Amarendra Das	amarendra@niser.ac.in
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The Modern European Novel	Dr Joe Varghese Yeldho	joevy@niser.ac.in
The Idea of The Nation in Indian English Fiction	Dr Amarjeet Nayak	amarjeet@niser.ac.in
Black Intellectual Traditions and The Narratives of Race in America	Dr Joe Varghese Yeldho	joevy@niser.ac.in
Writings of The South Asian Diaspora	Dr. Amarjeet Nayak	amarjeet@niser.ac.in
Translation and Culture: Issues and Perspectives	Dr Amarjeet Nayak	amarjeet@niser.ac.in
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Sociology of Development	Dr Pranay Swain	pranay@niser.ac.in
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Qualitative Research Methods	Dr Pranay Swain	pranay@niser.ac.in
Quantitative Research Method	Dr. Debashis Pattanaik	debas@niser.ac.in
Social Network Analysis	Dr. Debashis Pattanaik	debas@niser.ac.in

CORE COURSES

HSS700 Research Methodology and Research Publication Ethics (45 Lecture Hrs)

Coordinators: Dr Amarjeet Nayak
amarjeet@niser.ac.in

Course Details :

▪ **Module-A: Research Methodology**

• **Foundations of Research**

Meaning, Objectives, Motivation, Utility. Concept of theory, empiricism, deductive and inductive theory. Characteristics of scientific method – Understanding the language of research – Concept, Construct, Definition, Variable. Research Process

• **Problem Identification & Formulation of Research Question**

Investigation Question – Measurement Issues – Hypothesis – Qualities of a good Hypothesis – Null Hypothesis & Alternative Hypothesis. Hypothesis Testing – Logic & Importance

• **Research Design:**

Concept and Importance in Research – Features of a good research design – Exploratory Research Design – concept, types and uses, Descriptive Research Designs – concept, types and uses. Experimental Design: Concept of Independent & Dependent variables.

• **Qualitative and Quantitative Research:**

Qualitative research – Quantitative research – Concept of measurement, causality, generalization, replication. Merging the two approaches.

• **Measurement:**

Concept of measurement– what is measured? Problems in measurement in research – Validity and Reliability. Levels of measurement – Nominal, Ordinal, Interval, Ratio.

• **Sampling:**

Concepts of Statistical Population, Sample, Sampling Frame, Sampling Error, Sample Size, Non-Response. Characteristics of a good sample. Probability Sample – Simple Random Sample, Systematic Sample, Stratified Random Sample & Multi-stage sampling. Determining size of the sample – Practical considerations in sampling and sample size.

• **Data Analysis:**

Data Preparation – Univariate analysis (frequency tables, bar charts, pie charts, percentages), Bivariate analysis – Cross tabulations and Chi-square test including testing hypothesis of association.

• **Interpretation of Data and Paper Writing**

Layout of a Research Paper, Journals and their Impact factor, When and where to publish ?

Use of Encyclopedias, Research Guides, Handbook, and Academic Databases.

Use of tools / techniques for Research: methods to search required information effectively, Reference Management Software like Zotero/Mendeley, Software for paper formatting like LaTeX/MS Office, Software for detection of Plagiarism

▪ **Module B: Research Publication and Ethics:**

• **Introduction to Philosophy: definition, nature and scope, concept, branches.**

Ethics: definition, moral philosophy , nature of moral judgements and reactions.

• **Scientific Conduct: Ethics with respect to science and research, Intellectual honesty and research integrity, Scientific misconducts:**

Falsification, Fabrication, and Plagiarism, Redundant Publications: duplicate and overlapping publications, salami slicing, Selective reporting and misrepresentation of data

• **Publication Ethics:**

Definition, introduction and importance, Best practices I standards setting initiatives and guidelines: COPE, WAME, etc., Conflicts of interest, Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types, Violation of publication ethics, authorship and contributor ship, Identification of publication misconduct, complaints and appeals, Predatory publishers and journals

• **Open Access Publishing:**

Open Access publications and initiatives, SHERPA/RoMEO online resource to check publisher copyright and selfarchiving policies, Software tool to identify predatory publications developed by SPPU, Journal finder/Journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc.

• **Publishing Misconduct:**

A. Group Discussions • Subject specific ethical issues, FFP, authorship • Conflicts of interest • Complaints and appeals: examples and fraud from India and abroad B. Software tools • Use of plagiarism software like Turnitin, Urkund, and other open source software tools.

• **Databases and Research Metrics Databases**

•Indexing databases • Citation databases: Web of Science, Scopus, etc. B. Research Metrics• Impact factor of Journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score • Metrics: h-index, g index, i10index, altmetric

Course Outcomes :

- Understanding logic and empiricism
- Creating perspectives, theory building
- Legacy of science and scientific method
- Understanding of methods and methodology, Data Analysis and Report writing
- Ethical principles in research and publication
- Ph.D. Scholars shall be equipped with the necessary tools and techniques to be used and importance of

originality, integrity and ethics to be followed in research work

References

1. Ahuja, Ram (2001), Research Methods, Delhi: Rawat Publications.
2. Bailey, Kenneth D. (1982), Method of Social Research, New York: The Free Press, Second Edition.
3. Blalock, Hubert M. (1970), Social Statistics. New York: Tata Mc-Graw-Hill. Champion, Dean. J. (1981), Basic Statistics for Social Research New Delhi: Macmillan Publishing New York.
4. Dooley, David (1998), Social Research Methods, Prentice-Hall of India, New Delhi.
5. Goode, W.J. and Hatt. P.K. (1952), Methods in Social Research, New York: McGraw International Students Edition.
6. Gupta, S.P. (2002), Statistical Methods, New Delhi: Sultan Chand and Sons Publication. Kothari, C.R. (1988), Research Methodology, Willey Publishers, New Delhi.
7. Moser, S.C. and G. Kalton (1971), Survey Methods in Social Investigation, London: Heinmann. Seltiz, Claire et al (1959), Research Methods in Social Relation, New York: Henry Holt and Co.
8. Srinivas, M.N. and A.M. Shah (1979), Fieldworker and The Field, New Delhi: Oxford University Press.
9. Thakur, Devender (2003), Research Methodology in Social Science, New Delhi: Deep and Deep Publications Pvt. Ltd.
10. Wilkinson, T.S. and Bhandarkar, P.L. (1984) Methodology & Techniques of Social Research, Bombay, Himalaya Publishing House.
11. Young, P.V. (1988), Scientific Social Surveys and Research, New Delhi Prentice Hall
12. Bird, A. (2006). Philosophy of Sciences. Routledge
13. MacIntyre, Alasdair (1967). A Short History of Ethics. London
14. P.Chandah. (2018). Ethics in Competitive Research: Do not get Scooped; do not get plagiarized.
15. National Academy of Sciences, National Academy of Engineering and Institute of Medicine (2009)., National On being a Scientist: A guide to responsible conduct in Research : third edition, National Academies Press

Discipline Specific Theory Courses

DISCIPLINE : ECONOMICS

HSS611 Advanced Economic Theory (60 Lecture Hrs)

Coordinators: Dr Amarendra Das
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Course Details :

▪ Micro Economics

- **Choice under uncertainty**

Theory and application in rural insurance market

- **Topics in interlinked markets**

Imperfect competition and fragmented markets, rural markets – land, labour and credit

- **Topics on asymmetric information**

a. Principal agent problem

b. Adverse selection

- **Externalities and public goods**

- **Issues in rural urban interactions**

Harris-Todaro model

- **Inequality, occupational choice and human capital**

a. Access to credit market

b. Choice of occupation

- **Poverty and intra-household resource allocation**

▪ Macro Economics

- **Inflation**

Quantity Theory of Money, Natural rate hypothesis, Models of nominal rigidities, New Keynesian view on inflation, Structuralist view, Welfare costs of inflation

- **Unemployment**

Demand failures and Keynesian unemployment, Search theoretic models of unemployment, Efficiency wage models

- **Debt and Deficits**

Debt-deflation theory of depressions, Public debt sustainability, Ricardian Equivalence

- **Business Cycles**

Keynesian models of endogenous cycles, Growth cycles, Real business cycles, Money and DSGE

- **Finance in Macroeconomics**

Minskian instability hypotheses, Financial bubbles and crashes, the Efficient market hypothesis, Crises and policy responses

- **Crises**

Financial, Fiscal and External: Models of crisis, Great recession, Lessons from the East Asian crisis and Global financial crisis

- **Stabilisation policy**

Monetary and Fiscal Policies: Dynamic inconsistency and rules versus discretion, Policy ineffectiveness, Monetary policy transmission mechanisms, Optimal monetary policy rules, Inflation targeting, Fiscal policy, Coordination of fiscal and monetary policies

Course Outcomes :

- Advanced knowledge of microeconomic theory
- Advanced knowledge of macroeconomic theory
- Applications of the theories in various fields

References:

1. Suggested Readings for Micro Economics Books:
2. Bardhan, P. and C. Udry (1999). Development Microeconomics. Oxford University Press, New Delhi.
3. Basu, K. (1997). Analytical Development Economics: The Developed Economy Revisited. The MIT Press, Cambridge: MA.
4. Jehle, G.A. and P.J. Reny (2006). Advanced Microeconomic Theory. 2nd Edn. Pearson Education, New Delhi.
5. Kreps, D. (1999). A Course in Microeconomic Theory. Prentice Hall, New Delhi.
6. Mas-Collel, A., M.D. Whinston and J.R. Green (2006). Oxford University Press, New Delhi.
7. Ray, D. (1999). Development Economics. Oxford University Press, New Delhi.
8. Sen, A. (1996). Industrial Organization. Oxford University Press: New Delhi.
9. Journal Papers:
10. Banerjee, A.V. & Newman, A.F. (1993), "Occupational Choice and the Process of Development", Journal of Political Economy 101(2), 274-2
11. Dasgupta, P. & Ray, D. (1987), "Inequality as a Determinant of Malnutrition and Unemployment: Policy", The Economic Journal 97(385), 177-1
12. Dasgupta, P. & Ray, D. (1986), "Inequality as a Determinant of Malnutrition and Unemployment: Theory", The Economic Journal 96(384), 1011-10
13. Bardhan, P. (1980). Interlocking Factor Markets and Agrarian Development: A Review of Issues. Oxford Economic Papers, Vol. 32, No. 1, 82-
14. Bhaduri, A. (1973). Agricultural Backwardness under Semi-Feudalism. Economic Journal, Vol. 83, 120-
15. Harris, J.R. and M.P. Todaro (1970). Migration, Unemployment and Development: A Two-Sector Analysis. The American Economic Review, Vol. 60, No. 1, 126-1
16. Selected Readings for Macro Economics
17. Alan S. Blinder (1982) Issues in the coordination of monetary and fiscal policy, NBER working paper series, working paper No. 9
18. Barro, R.J. & D.B. Gordon (1983) "Rules, Discretion and Reputation in a Model of Monetary Policy", Journal of Monetary Economics 12(1): 101-1
19. Bean, C., J. Larsen and K. Nikolov (2002) "The Monetary Transmission Mechanism: Theory, Evidence and

- Policy Implications", European Central Bank Working Paper No. 133: 1-
20. Bernanke, B.S. & F.S. Mishkin (1997) "Inflation Targeting: A New Framework for Monetary Policy," *Journal of Economic Perspectives* 11(2): 97-1
 21. Blanchard, O.J., G. Akerlof, D. Romer, and J. Stiglitz (2014) "Macroeconomic Policy after the Crisis", Cambridge, Mass: MIT Press.
 22. Boivin, Michael, T. Kiley & F.S. Mishkin (2010) "How Has the Monetary Transmission Mechanism Evolved Over Time?", *Handbook of Monetary Economics*, Chap. 8, 3: 369–4
 23. Bordo, M. & A.J. Schwartz (1999) "Monetary Policy Regimes and Economic Performance: The Historical Record", *Handbook of Macroeconomics* 1: 149–2
 24. Chari, V. & Kehoe, P. (1999) "Optimal Fiscal and Monetary Policy", in J. Taylor and M. Woodford (eds.), *Handbook of Macroeconomics*, Vol. 1, Part C, North Holland: 1671–17
 25. Cross, Rod (ed.) "Unemployment, Hysteresis, and the Natural Rate Hypothesis", Oxford: Blackwell, 19
 26. Dixit, A. & Lambertini, L. (2003) "Interactions of Commitment and Discretion in Monetary and Fiscal Policies", *American Economic Review* 93: 1522–15
 27. Domar, E. (1944) "The Burden of the Debt and the National Income", *American Economic Review*, 34: 798–8
 28. Friedman, M. (1967) "The Role of Monetary Policy", *American Economic Review*, 58(1): 1
 29. Gali, Jordi (2008) "Monetary Policy, Inflation, and the Business Cycle: An Introduction to the New Keynesian Framework", Princeton University Press.
 30. Guillermo A. Calvo & Carlos A. Vegh (1999) "Inflation Stabilization and BOP Crises in Developing Countries", Chap. 24, *Handbook of Macroeconomics*, Vol. 1, Part C: 1531–16
 31. Hartley, James, Kevin D. Hoover & Kevin D. Salyer (eds.) "Real Business Cycles: A Reader", London: Routledge, 19
 32. Kaldor, N. & Trevithick, J. (1981) "A Keynesian Perspective on Money", in N. Kaldor, *Collected Economic Essays*,
 33. Keynes, J.M. (1936) "The General Theory of Employment, Interest and Money", London: Macmillan.
 34. Krugman, Paul (1979) "A Model of Balance of Payment Crisis", *Journal of Money, Credit and Banking* 11(3): 311–3
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 36. Kydland, Finn E. & Edward C. Prescott (1977) "Rules rather than Discretion: The Inconsistency of Optimal Plans", *The Journal of Political Economy* 85: 473–4
 37. Lucas, R.E. & Sargent, T.J. (1979) "After Keynesian Macroeconomics", *Federal Reserve Bank of Minneapolis Quarterly Review* 3: 1–
 38. Lucas, Robert E., Jr. & Thomas J. Sargent (eds.) "Rational Expectations and Econometric Practice", London: Allen and Unwin, 19
 39. Maria Luisa Petit (1989) "Fiscal and Monetary Policy Co-Ordination: A Differential Game Approach", *Journal of Applied Econometrics* 4(2): 161–1
 40. Minsky, J. (1986) "Stabilizing an Unstable Economy", New York: McGraw-Hill.
 41. Mishkin, F.S. & Miguel A. Savastano (2002) "Monetary Policy Strategies for Emerging Market Countries: Case Studies from Latin America", *Comparative Economic Studies* 44: 45–
 42. Mishkin, F.S. (1995) "Symposium on the Monetary Transmission Mechanism". *Journal of Economic Perspectives* 9(4): 3–
 43. Mishkin, F.S. (2001) "The Transmission Mechanism and the Role of Asset Prices in Monetary Policy", NBER Working Paper 86
 44. Obstfeld, M. (1986) "Rational and Self-fulfilling Balance-of-Payments Crises", *American Economic Review* 76(1): 72–
 45. Radelet, S. & Sachs, J. (1998) "The East Asian Financial Crisis: Diagnosis, Remedies, Prospects", *Brookings Papers on Economic Activity* 29: 1–

46. Romer, D. (2012) "Advanced Macroeconomics", New York: McGraw-Hill Irwin.
47. Sargent, Thomas J. & Neil Wallace (1975) "Rational Expectations, the Optimal Monetary Instruments, the Optimal Money Supply Rule", *Journal of Political Economy* 83: 241–2
48. Stock, J. & Watson, M. (1999) "Business Cycle Fluctuations in US Macroeconomic Time Series", *Handbook of Macroeconomics* 1: 3–
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50. Taylor, L. (2004) "Reconstructing Macroeconomics: Structuralist Proposals and Critiques of the Mainstream", Cambridge, Mass.: Harvard University Press.
51. W.D. Nordhaus (1994) "Policy Games: Co-ordination and Independence in Monetary and Fiscal Policies", *Brookings Papers on Economic Activity* 2: 139–2
52. Wickens, M. (2012) "Macroeconomic Theory: A Dynamic General Equilibrium Approach", Princeton: Princeton University Press.
53. Woodford, Michael (2003) "Interest and Prices: Foundations of a Theory of Monetary Policy", Princeton University Press.

HSS612 Econometrics Theory and Application (60 Lecture Hrs)

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Course Details :

- **Sampling**
 - i) Sample size and sampling error
 - ii) Probability sampling (Simple Random Sampling, Systematic Sampling, Stratified Sampling, Probability Proportional to Size Sampling, and Cluster or Multistage Sampling)
 - iii) Non-probability sampling (Accidental Sampling, Quota Sampling and Purposive Sampling, Line-intercept sampling, Panel sampling, snowball (chain) sampling)
- **Multiple Regression with R**

(OLS estimation and interpretation; Violation of assumptions; Simultaneous equation model estimation; Binary and multi-nomial logit and probit models; Tobit model)
- **Multivariate Analysis with SPSS**

(ANOVA, ANCOVA and MANOVA; Principal components analysis / Factor analysis; Multidimensional scaling; Clustering systems; Discriminant analysis)
- **Time Series Analysis with Gretl/Stata**

(ACF and PAF; Units roots tests; ARIMA model; ARCH/GARCH models; VAR models; Cointegration)
- **Panel data Analysis with Gretl/Stata**

(Fixed Effects and Random Effects method; Hypothesis testing; Dynamic Panel Data models)

Course Outcomes :

- Sample designing
- Regression using cross section data
- Regression using time series data
- Regression using panel data

References:

1. Asteriou, Dimitrios and Hall, Stephen G. (2011) Applied Econometrics 2nd ed. Macmillan.
2. Baltagi, B.H. (2001) Econometric Analysis of Panel Data, 2nd edition, John Wiley.
3. Bond, Trevor G., and Fox, Christine M. (2007) Applying the Rasch Model. 2nd ed. Lawrence Erlbaum Associates.
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12. Fox, John (2008). *Applied Regression Analysis and Generalized Linear Models*. Sage.
13. Gelman, Andrew and Cortina, Jeronima (ed.) (2009). *A Quantitative Tour of the Social Sciences*. CUP.
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16. Groves, Robert, et al. (2010). *Survey Methodology*. Second ed. Wiley.
17. Hamilton, J.D. (1994). *Time Series Analysis*. Princeton University Press.
18. Hammersley, Martyn (2013). *What is Qualitative Research?* Bloomsbury.
19. Hendry, David F. (1995). *Dynamic Econometrics*. Oxford University Press.
20. Holland, Jeremy with John Campbell (ed.) (2005). *Methods in Development Research: Combining Qualitative and Quantitative Approaches*. Practical Action Publishing.
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22. Korn, E.L., and Graubard, B.I. (1999). *Analysis of Health Surveys*. Wiley.
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25. Maddala, G.S. and Kim, In-Moo (1998). *Unit Roots, Cointegration and Structural Change*. Cambridge University Press.
26. Maddala, G.S. (2002). *Introduction to Econometrics*. 3rd ed., Wiley.
27. Makridakis, S., Wheelwright, S.C. and McGee, V.E. (1983). *Forecasting – Methods and Applications*. Second edition, John Wiley & Sons.
28. Mills, Terrence C. (1990). *Time Series Techniques for Economists*. Cambridge University Press.
29. Mukherjee, C.M. et al. (1998). *Econometrics and Data Analysis for Developing Countries*. Routledge.
30. Taylor, George R. (ed.) (2010). *Integrating Quantitative and Qualitative Methods in Research*. 3rd ed. University Press of America.
31. Tracy, Sarah J. (2013). *Qualitative Research Methods*. Wiley-Blackwell.
32. Verbeek, Marno (2012). *A Guide to Modern Econometrics*. 4th Edition. Wiley.

HSS613 Issues in Public Finance (60 Lecture Hrs)

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Course Details :

- **Role of Government and Budgeting**

Measurement of deficits, Budgeting – Performance based budget; Outcome budget, Rule based budgeting.

- **Fiscal Policy & Monetary Policy**

Fiscal Accommodation / accommodative monetary policy. Ricardian Equivalence Theorem (RET): A Critical perspective.

- **Fiscal Performances**

Of both Center and State governments in India – Expenditure, revenue and deficits trends.

- **Issues in Public Debt**

Assessment of sustainability of debt – (a) Accounting Approach and (b) Present Value Budget Constraint Approach.

- **Fiscal Transfer**

Evolution in the Federal Fiscal Mechanism of Transfers: some perspectives on various Finance Commissions' recommendation and policy design with a specific reference to 12th, 13th and 14th FCs.

- **Equity and Efficiency in Fiscal Transfer**

Assessment of equity aspect in transfer mechanism in Indian context. An International Comparison with other Federal Countries' Transfer mechanism.

- **Fiscal Decentralization Experience in India**

- **Taxation**

Optimality in Taxation, Elasticity and Buoyancy, Direct tax and Indirect taxes.

- **Major Tax Reforms**

Implementation of VAT and GST, Expenditure Reforms and Management, Government subsidy and its implication on the economy.

- **Fiscal Consolidation and its consequences**

Course Outcomes :

- Budgeting
- Rule based and discretionary fiscal policy
- Public debt of Union and States
- Tax reforms

References:

1. Aian Schenk & Oliver Oldman (2007). VAT: A Comparative Approach. Cambridge University Press.
2. Bagchi, A. (2005). Readings in Public Finance. Oxford University Press.
3. Bagchi, A. (2005). “Symposium on Report of Twelfth Finance Commission: Introduction and Overview”, EPW, pp. 3388–33
4. Bagchi, A. & Stern, N. (1994). Tax Policy and Planning in Developing Countries. Oxford University Press.
5. Barro, R.J. (1974). “Are Government Bonds Net Wealth?” *Journal of Political Economy*, 82(6), pp. 1095–11
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21. Thirteenth Finance Commission (Dec. 2009). Report of 13th FC 2010–
22. Fourteenth Finance Commission (Jan. 2015). Report of 14th FC 2015–

HSS614 Development Economics (60 Lecture Hrs)

Coordinators: Dr Amarendra Das
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Course Details :

- **Economic Development**

- 1 Concepts and Dimensions
- 2 Methodologies and Disciplinarily
- 3 Development and Underdevelopment
- 4 Developmentalism, Alternatives

- **Dual Economy Models of Development**

- 1 Underlying theories: Lewis-Ranis-Fei Model, Harris-Todaro Model

- **Economic Inequality and Development**

- 1 Concepts and Measurement (Basics of measurement issues only to enable literature reading)
- 2 Economic inequality and access to credit market
- 3 Economic inequality and choice of occupation
- 4 Economic inequality and Human capital formation
- 5 Economic inequality and conflict

- **Poverty**

- 1 Concepts and measurement
- 2 Impact of poverty on intra-household allocation, and access to labour market and credit market
- 3 Poverty and Social structure
- 4 Poverty, health and nutrition

- **Issues on Health and Nutrition**

- 1 Importance of Health in Development
- 2 Intra-household Allocation of Nutrients among the children
- 3 Window of opportunity

- **Issues in Education**

- 1 Access to Education
- 2 Public Provision and infrastructure
- 3 Incentivising education

- **Social Security and Public Policy**

- 1 Issues in Targeting, Measurement
- 2 Social security policies: Public works programme, food security programme, conditional cash transfers

Course Outcomes :

- Alternative approaches to development
-

- Different inequality measurement
- Different poverty measurements and controversies

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HSS615 Environmental and Ecological Economics (60 Lecture Hrs)

Coordinators: Dr Amarendra Das
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Course Details :

▪ **Measuring Values**

Benefits and costs – overview; total value – use and non-use values of goods; Willingness-to-Pay versus Willingness-to-Accept; economic valuation of changes in human health – mortality and morbidity concepts; statistical value of life; economic valuation of biodiversity – existential value concept.

▪ **Production Function Approaches to Economic Valuation**

Environmental valuation from market information including prices. Dose response function, productivity change method, substitution cost method, illness costs, human capital; applications.

▪ **Revealed Preference Approaches**

Revealed preference models of valuation – basic theory. Hedonic pricing method – property market and labour market. Travel cost method – individual model and zonal model. Defensive cost method – defensive costs of decreased drinking water quality; applications.

▪ **Stated Preference Approaches and Benefit Transfer**

Contingent valuation method – bias, experimental markets. Choice modelling – choice experiment, contingent comparison, contingent scoring, pair comparison; applications. Benefit transfer approaches – value transfer in theory and practice.

▪ **An Introduction to Ecological Economics**

The economy in the environment – a conceptual framework. Economic accounting, input–output accounting, national income accounting conventions. National income as the measure of economic performance. National income accounting and the environment. Environmental policy instruments, choice of environmental policy instruments. Climate change – the nature and extent of the problem, mitigation targets and instruments, and what is being done about the problem.

▪ **Biodiversity Loss**

The biodiversity-loss problem, why it is a difficult problem, and conservation policy.

Course Outcomes :

- Environmental degradation and economic consequences
- Alternative approaches to control pollution
- Valuation methods
- Integrated environmental and economic accounting

References :

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2. Haque, A.K. Enamul, M.N. Murty and Priya Shyamsundar (eds.) (2011). Environmental Valuation in South Asia. Cambridge University Press, Delhi, India.
3. Ghosh, Nilanjan, Pranab Mukhopadhyay, Amita Shah and Manoj Panda (eds.) (2016). Nature, Economy and Society: Understanding the Linkages. Springer, New Delhi.
4. Bateman, Ian J. et al. (2002). Economic Valuation with Stated Preference Techniques: A Manual. Edward Elgar.
5. Freeman, A.M. (2003). The Measurement of Environmental and Resource Values, 2nd Edition. Resources for the Future.
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8. Chopra, K. and V. Dayal (eds.) (2009). Handbook of Environmental Economics in India. Oxford University Press, Delhi.
9. Baumol, W.J. and W.E. Oates (1998). The Theory of Environmental Policy. Cambridge University Press.
10. Kolstad, C. (2000). Environmental Economics. Oxford University Press.
11. Sankar, U. (2001). Environmental Economics. Oxford University Press, Delhi.

HSS616 Poverty, inequality and Development (60 Lecture Hrs)

Coordinators: Dr Amarendra Das
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Course Details :

- **Poverty**

Concepts, definitions, dimensions and analytical context.

- **Measures of Poverty**

Headcount index, poverty gap and poverty severity indexes; FGT (Foster-Greer-Thorbecke) family of poverty measures; Sen and Sen-Shorrocks-Thon indexes of poverty and decomposition; Watts index and exit measure.

- **Poverty in India**

Definition and measurement of poverty in India: a chronological examination. The Great Indian Poverty Debate: a snapshot. Identification of the poor in India's Five-Year Plans.

- **Poverty Profiles**

Rationale for poverty profile. Presentation of dimensions of poverty. Use of additive poverty measures and poverty comparisons. Poverty comparisons over time: sampling frame and method, adjustment for price differences. Poverty mapping and relative risk.

- **Inequality Measures**

Difference between inequality and poverty. Measures of inequality: Lorenz Curve, Gini Coefficient, generalized entropy measures including Theil's T and Theil's L, Atkinson's inequality measure. Axioms of inequality and satisfying conditions of the measures of inequality. Decomposition of inequality measures.

- **Growth, Inequality and Poverty**

Debates on growth versus inequality and poverty-growth linkages.

- **Multidimensional Poverty**

Properties of multidimensional poverty. Multidimensional poverty measures: issues of identification and aggregation. Multidimensional Poverty Measures.

- **Human Development**

Human Development concepts and approaches. Introduction to Human Development measurement issues.

- **Growth, Inequality and Human Development**

- **Inequality Adjustment and Inclusiveness of Human Development**

The need for inequality adjustment in HDI. HDI in India – patterns and trends. Disaggregating human development: an assessment of inclusiveness. Inter-dimensional response across the three dimensions: the optimal evaluation.

Course Outcomes :

- Debates on poverty measurements in India
- Measures of inequality
- Poverty and inequality in India
- Critiques of development policies to address poverty and inequality in India

References :

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 2. Ravallion, Martin. 19 Poverty Comparisons: A Guide to Concepts and Methods. Living Standards Measurement Surveys Working Paper No.88, World Bank, Washington, DC.
 3. Ravallion, Martin. 19 Poverty Lines in Theory and Practice. Living Standards Measurement Surveys Working Paper No.133, World Bank, Washington, DC.
 4. Sen, Amartya. 19 Commodities and Capabilities. Amsterdam: North-Holland.
 5. World Bank. 20 World Development Report 2000/2001: Attacking Poverty. Washington, DC: World Bank.
 6. Readings for Topic 2
 7. Atkinson, Anthony. 19 "On the Measurement of Poverty." *Econometrica* 55: 749–
 8. Clark, Stephen, Richard Hemming, and David Ulph. 19 "On Indices for the Measurement of Poverty." *Economic Journal* 91(361): 515–
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 12. Ravallion, Martin. 19 "How Well Can Method Substitute for Data? Five Experiments in Poverty Analysis." *The World Bank Research Observer* 11(2): 199–2
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 16. Zheng, B. 19 "An Axiomatic Characterization of the Watts Poverty Index." *Economics Letters* 42(1): 81–
 17. Readings for Topic 3
 18. Ahluwalia, M. S. 19 "Rural Poverty and Agricultural Performance in India." *Journal of Development Studies*, April.
 19. Bandyopadhyay, K. R. 20 Poverty Alleviation and Pro-poor Growth in India. New Delhi: Asian Institute of Transport Development.
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 26. Government of India. 19 Task Force on Projections of Minimum Needs and Effective Consumption Demand. Perspective Planning Division, Planning Commission.
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27. Government of India. 19 Study Group on Estimation of Poverty Line. Perspective Planning Division, Planning Commission.
28. Government of India. 19 Report of the Expert Group on Estimation of Proportion and Number of Poor. Perspective Planning Division, Planning Commission.
29. Government of India. 20 Report of the Expert Group on the Methodology for the BPL Census 20 Ministry of Rural Development.
30. Government of India. 20 Report of the Expert Group to Review the Methodology for Estimation of Poverty. Planning Commission.
31. Lancaster, G. and R. Ray. 20 "On Setting the Poverty Line Based on Estimated Nutrient Prices: Condition of Socially Disadvantaged Groups During the Reform Period." *Economic and Political Weekly*, January
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34. Saxena, N. C. 20 "Poverty Estimates for 1999-20" Planning Commission, New Delhi.
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37. Subramanian, S. 20 "Unravelling a Conceptual Muddle: India's Poverty Statistics in the Light of Basic Demand Theory." *Economic and Political Weekly*, January
38. World Bank. 20 World Development Report. Washington, DC: World Bank.
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40. Ravallion, Martin, and Monika Huppi. 19 "Measuring Changes in Poverty: A Methodological Case Study of Indonesia during an Adjustment Period." *World Bank Economic Review* 5 (1): 57–
41. Huppi, Monika, and Martin Ravallion. 19 "The Sectoral Structure of Poverty during an Adjustment Period: Evidence for Indonesia in the Mid-1980s." *World Development* 19(12): 1653–
42. Deaton, Angus. 20 "Computing Prices and Poverty Rates in India, 1999–20" Working Paper, Research Program in Development Studies, Princeton University.
43. Readings for Topic 5
44. Adams, Richard H., Jr. 19 "Nonfarm Income, Inequality, and Land in Rural Egypt." Policy Research Working Paper No.2178, World Bank, Washington, DC.
45. Atkinson, A. B. 19 "On the Measurement of Inequality." *Journal of Economic Theory* 2 (3): 244–
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51. Ferreira, M. Luisa. 19 "Poverty and Inequality during Structural Adjustment in Rural Tanzania." Policy Research Working Paper No.1641, World Bank, Washington, DC.
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- Handbook of Income Distribution, Vol.
53. Readings for Topic 6
 54. Dollar, David and Aart Kraay. 20 “Growth is Good for the Poor.” World Bank, Washington, DC.
 55. Fields, Gary. 19 “Changes in Poverty and Inequality in Developing Countries.” World Bank Research Observer 4: 167–1
 56. Datt, Gaurav. 19 “Has Poverty in India Declined since the Economic Reforms?” Economic and Political Weekly 34 (Dec 11–17).
 57. Birdsall, Nancy, D. Ross and R. Sabot. 19 “Inequality and Growth Reconsidered: Lessons from East Asia.” World Bank Economic Review 9(3): 477–5
 58. Deininger, K. and L. Squire. 19 “New Ways of Looking at Old Issues: Inequality and Growth.” Journal of Development Economics 57: 259–2
 59. Ravallion, Martin. 20 “Pro-poor Growth: A Primer.” Development Research Group, World Bank, Washington, DC.
 60. Ravallion, Martin, and Shaohua Chen. 19 “What Can New Survey Data Tell Us about Recent Changes in Distribution and Poverty?” The World Bank Economic Review 11 (2): 357–3
 61. Readings for Topic 7
 62. Alkire, S. and J. Foster. 20 “Counting and Multidimensional Poverty Measurement.” Working Paper No.7, Oxford Poverty and Human Development Initiative.
 63. Bourguignon, F. and S. Chakravarty. 20 “The Measurement of Multidimensional Poverty.” Journal of Economic Inequality 1: 25–
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 65. Readings for Topic 8
 66. Filmer, D. and Scott, K. 20 “Assessing Asset Indices.” World Bank Policy Research Working Paper No.4605, World Bank.
 67. Foster, J. E., Lopez-Calva, L. and Szekely, M. 20 “Measuring the Distribution of Human Development: Methodology and Application to Mexico.” Journal of Human Development 6: 5–
 68. Foster, J. E. 20 “Path Independent Inequality Measures.” Journal of Economic Theory 91: 199–2
 69. Grimm, M., Harttgen, K., Klasen, S., & Misselhorn, M. 20 “A Human Development Index by Income Groups.” World Development 36: 2527–25
 70. Grimm, M., Harttgen, K., Klasen, S., Misselhorn, M., Munzi, T., and Smeeding, T. 20 “Inequality in Human Development: An Empirical Assessment of 32 Countries.” Social Indicators Research.
 71. Readings for Topic 9
 72. Filmer, D. and Scott, K. 20 “Assessing Asset Indices.” World Bank Policy Research Working Paper No.4605, World Bank.
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 75. Grimm, M., Harttgen, K., Klasen, S., & Misselhorn, M. 20 “A Human Development Index by Income Groups.” World Development 36: 2527–25
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HSS617 Project Evaluation (60 Lecture Hrs)

Coordinators: Dr Amarendra Das
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Course Details :

▪ **Introduction**

Meaning of a project and its basic characteristics, Role of Projects in a Development Planning Framework, Stages of Planning and Scope of Projects, Project Cycles:- Ex-Ante Analysis (i.e. conceptualization, identification, technical as well as economic feasibility analysis), Project Cycle:- Ex-Post Analysis (i.e., project selection, execution, action plan, monitoring, post-evaluation and reformulation)

▪ **Basic Tenets of Project Appraisal/ Evaluation: The Welfare foundations**

Classical welfare economic analysis, neo-classical economic analysis, new welfare economic analysis,

▪ **Approaches and Techniques**

Approaches and Steps in Appraisal/ Evaluation, General Criteria of Project Appraisal, Commercial Profitability Analysis / BCA of Projects, Capital Budgeting Decisions in terms of Methods of Investment Criteria, National Economic Profitability Analysis or SBCA of Projects,

▪ **Methods Project Appraisal / Evaluation**

Various Methods: the OECD Method, the UNIDO Guidelines Methods, the World Bank Method, the Effects Method, Significance of Externalities in Project Evaluation, Risk and Uncertainty Analysis,

▪ **Case Studies**

Water Resource Development Projects, Industrial Projects, Forestry Projects, and Non-conventional Energy Project

Course Outcomes :

- Welfare foundations of project evaluation
- Alternative approaches of project evaluation
- Case studies

References :

1. Bela Balassa (1976), The Effects Method of Project Evaluation, Oxford Bulletin of Economics & Statistics, November Issue.
2. M. D. Little & James Mirrlees (1974), Project Appraisal and Planning for Developing Countries, Heinemann Educational Books, London.
3. Lyn Squire & H. G. Van Tak (1975), Economic Analysis of Projects, John Hopkins.
4. Prasanna Chandra (1986), Projects Preparation, Appraisal, Budgeting and Implementation, Tata McGraw Hill Publishing Company Ltd, New Delhi.
5. OECD (1972), Manual of Industrial Project Analysis in Developing Countries – Methodology and Case Studies, OECD, Paris.
6. UNIDO (1972), Guidelines for Project Evaluation (authored by Amartya Sen, Partha Dasgupta & Stephen

- Marglin), United Nations, New York.
6. UNIDO (1978), *Manual for the Preparation of Industrial Feasibility Studies*, United Nations, New York.
 7. UNIDO (1978), *Guide to Practical Project Appraisal*, United Nations, New York.
 8. Additional Readings
 9. a) Lal Deek (1972), *Wells and Welfare: An Exploratory Cost-Benefit Study of Small-Scale Irrigation in Maharashtra*.
 10. b) Layard Richard (Ed.) (1976), *Cost Benefit Analysis*, Penguin Books Ltd, Middlesex, England.
 11. c) Mishra, S. N. & John Beyer (1978), *Cost-Benefit Analysis: A Case Study of the Ratnagiri Fisheries Project*, Hindustan Publishing Co.
 12. d) Rath, B. (1980), *Social Benefit Cost Analysis of the Rengali Multi-purpose Project, Orissa*. Ph.D. Thesis, IIT Kanpur (mimeo).
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HSS618 Indian Industrial Development (60 Lecture Hrs)

Coordinators: Dr Amarendra Das
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Course Details :

- **Industrial Development in India Since 1951**

An overview of the industrialization strategy: Import Substitution and State Control, Balance of Payments crisis, Structural Adjustment Programme and Economic Reforms; critical issues for discussion in the context of globalization.

- **New Industrial Policy and Institutional Changes**

Delicensing and de-reservation; removal of FERA, MRTP etc.; FEMA and Competition Policy Act; debates on competition.

- **Overall Industrial Performance under Liberalization**

Structural change; growth strategies of business groups; mergers & acquisitions and market concentration; growth pattern of industrial output, value added and employment; productivity and technological change.

- **Small-scale Industries and their New Challenges**

Growth and structure of MSMEs; size distribution of unorganized and informal sector.

- **Disinvestment Strategies and Debates on Privatisation**

Experience of disinvestment; performance of public sector enterprises.

- **Industrial Finance and Corporate Governance**

Foreign investment; foreign portfolio investment; financial derivatives; capital market and role of stock exchange.

- **Challenges Ahead for Strengthening Industrialisation in India under WTO Regime**

Demand factors; supply factors such as infrastructure development, energy issues, environmental issues and standards on pollution control; database on industrial statistics and methodological issues.

Course Outcomes :

- Review of Indian Industrial Policies since Independence
- Policies for Small-Scale Industries
- Policies for Foreign Direct Investment

References :

1. Bhattacharjea, Aditya (2004), Trade, Investment, and Competition Policy: An Indian Perspective, in Aaditya Mattoo and Robert M. Stern (eds.) India and the WTO, The World Bank and Rawat Publications, Jaipur and New Delhi.
2. Ahluwalia, I. J. (1985), Industrial Growth in India: Stagnation since the Mid-Sixties, OUP, Delhi.
3. Amsden, A. H. (2001), The Rise of “The Rest” – Challenges to the West from Late-Industrializing

- Economies, OUP, New York.
4. Beena, P. L. (2014), *Mergers and Acquisitions: India under Globalisation*, Routledge, India and UK.
 5. Bhagwati, J. N. and P. Desai (1970), *India: Planning for Industrialisation: Trade and Industrialisation Policies 1950–66*, OUP, Delhi.
 6. Bagchi, Amiya K. (1999), *Economy and Organisation: Indian Institutions under the Neoliberal Regime*, Sage Publications, New Delhi.
 7. Chandrasekhar, C. P. (1988), “Aspects of Growth and Structural Change in Indian Industry”, *EPW*, Vol. 23, No. 45/47, pp. 2359–23
 8. Chandrasekhar, C. P. (2007), “India’s Industrial Performance: Revisiting a Debate”, in A. Vaidyanathan and K. L. Krishna (eds.) *Institutions & Markets in India’s Development*, OUP.
 9. Chandrasekhar, C. P. (2001), “Factory Production: An Analysis of Data Availability and Coverage”, in C. P. Chandrasekhar and Jandhyala B. G. Tilak (eds.) *India’s Socio-Economic Database: Surveys of Selected Areas*.
 10. Desai, V. V. (1971), “Pursuit of Industrial Self-Efficiency: A Critique of the First Three Plans”, *EPW*, May
 11. Government of India (1965), *Report of the Monopolies Inquiry Commission*.
 12. Hazari, R. K. (1986), *Essays on Industrial Policy*, Concept Publishing House, Delhi.
 13. Nagaraj, R. (1990), “Industrial Growth: Further Evidence and Towards an Explanation and Issues”, *EPW*, October
 14. Nagaraj, R. (2003), “Industrial Policy and Performance: Which Way Now?”, *EPW*, Vol. 38, No. 35, August
 15. Nagaraj, R. (2006), “Public Sector Performance since 1950: A Fresh Look”, *EPW*, Vol. 41, No. 25, June 24–
 16. Nagaraj, R. (2007), “Industrial Growth in China and India: A Preliminary Comparison”, in A. Vaidyanathan and K. L. Krishna (eds.) *Institutions & Markets in India’s Development*, OUP.
 17. Pushpangathan, K. and N. Shanta (2009), *The Dynamics of Competition: Understanding India’s Manufacturing Sector*, OUP.
 18. Raj, K. N. (1976), “Growth and Stagnation in Indian Industrial Development”, *EPW*, Annual Number, February.

HSS619 New Institutional Economics (60 Lecture Hrs)

Coordinators: Dr Amarendra Das
amarendra@niser.ac.in

Course Details :

- **The NIE**
What is it?
- **Property Rights I**
Where it all began; property rights on historical frontiers; property rights on current frontiers.
- **Why Don't We Get It Right?**
Why do firms exist? Insights from the NIE for business management and strategy, technology.
- **Transaction Costs**
Transaction costs and contracts in agriculture; agricultural contracts and the growth of the welfare state.
- **Norms and Contracts**
Understanding the big picture.

Course Outcomes :

- Introduction to New Institutional Economics (NIE)
- Role of property rights and transaction costs in economic development
- Role of norms and contracts in economic development

References :

1. Alston, Lee J.: The New Institutional Economics
2. Coase: The Problem of Social Cost
3. Alston, Harris, and Mueller: Development of Property Rights on Frontiers: Endowments, Norms and Politics
4. Baumol: Entrepreneurship: Productive, Unproductive and Destructive
5. Alston, Libecap, and Schneider: The Determinants and Impact of Property Rights: Census Data and Survey Results for Land Titles on the Brazilian Frontier
6. Alston and Mueller: Property Rights and the State
7. Coase: The Nature of the Firm
8. Alston and Gillespie: Resource Coordination and Transaction Costs: A Framework for Analyzing the Firm/Market Boundary
9. Alston and Higgs: Contractual Mix in Southern Agriculture since the Civil War: Facts, Hypotheses and Tests
10. Alston and Ferrie: Paternalism in Agricultural Labor Contracts in the U.S. South: Implications for the Growth of the Welfare State
11. Alston, Mattiace, and Nonnenmacher: Coercion, Culture and Debt-Contracts: The Henequen Industry, Yucatán, Mexico, 1870–1915
12. Eggertsson: Analyzing Institutional Successes and Failures: A Millennium of Common Mountain Pastures in Iceland
13. North, Wallis, Webb, and Weingast: In the Shadow of Violence
14. Wallis: Institutions, Organizations, Impersonality, and Interests: The Dynamics of Institutions

15. Alston and Gallo: Electoral Fraud, the Rise of Perón and Decline in Checks and Balances in Argentina
16. Alston, Melo, Mueller, and Pereira: Beliefs, Leadership, and Critical Transitions: Brazil 1964–2014
17. Alston, Melo, Mueller, and Pereira: Chapter 2: A Conceptual Framework: Beliefs, Leadership and Critical Transitions; Brazil 1964–2014
18. Alston, Melo, Mueller, and Pereira: Part II: Introduction to the Case Study of Brazil, 1964–2014
19. Alston, Melo, Mueller, and Pereira: Chapter 3: From Disorder to Growth and Back: The Military Regime (1964–1985)
20. Alston, Melo, Mueller, and Pereira: Chapter 4: Transition to Democracy and the Belief in Social Inclusion (1985–1994)
21. Alston, Melo, Mueller, and Pereira: Chapter 5: Cardoso Seizes a Window of Opportunity
22. Alston, Melo, Mueller, and Pereira: Chapter 6: Deepening Beliefs and Institutions
23. Hunt: Parity, Paternalism and Peonage in the Informal Economy: An Empirical Study of Off-the-books Loans
24. Bretsen and Hill: Irrigation Institutions in the American West

HSS620 International Trade and Finance (60 Lecture Hrs)

Coordinators: Dr Amarendra Das
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Course Details :

- **Evolution of IT Theory**

Evolution of international division of labour and economic transactions among countries.

- **Review of Theories of Trade and Trade Flows**

Comparative advantage and its interpretations, economies of scale, imperfect competition, preference similarity.

- **Arguments for and History of Discriminatory Commercial Policy**

Theory of tariff, domestic distortions, strategic trade policies, discriminatory trading arrangements, new protectionism in the postwar period, contemporary trade policy conflicts.

- **International Trade and Underdevelopment**

Commodity question, unequal exchange and uneven development, accumulation on global scale, global value chain analysis.

- **International Trading System**

From General Agreement on Tariff and Trade (GATT) to the World Trade Organisation (WTO); new areas brought under the trading system, GATS and TRIPS, the Doha Round conflicts.

- **International Finance**

Capital account transactions, macro-economic interdependence in open economies, the world of mobile finance, monetary integration and its consequences.

- **Issues in International Financial Architecture**

Gold standard, Bretton Woods regime and post-Bretton Woods arrangement; the development project in a world of mobile finance.

Course Outcomes :

- Evolution of IT theories
- International trading system
- Recent developments in international trade
- Recent status of international monetary system

References :

1. Akyuz, Y. (2003) Developing Countries and World Trade: Performance and Prospects, United Nations Conference on Trade and Development, Geneva.
2. Caprio, Gerard, Honohan, Patrick and Stiglitz, E. Joseph (2001) Financial Liberalisation: How Far, How Fast?, Cambridge University Press.

HSS621 Topics in Experimental and Behavioural Approaches to Economic Development (60 Lecture Hrs)

Coordinators: Dr Amarendra Das
amarendra@niser.ac.in

Course Details :

- **An Overview of Concepts in Behavioural Economics**

Cognition: Dual process of reasoning, judgment and decision making; Heuristics and Biases; Choice under risk and uncertainty; Mental Accounting; Loss Aversion, Reference Dependence, Framing and Prospect Theory; Probabilistic Judgment; Time and Choice.

- **An Overview of Experimental Methods**

Why experiments instead of field data? Natural experiments, quasi-experiments and controlled experiments; Methods and methodological issues in experiments.

- **Behavioural and Experimental Methods for Poverty and Development**

- **Applications in Labour Market Studies**

- **Applications in Caste and Gender Institutions**

- **Applications in Health and Education**

- **Applications in Microfinance, Insurance and Credit Market**

- **Applications in Public Policy, Governance and Corruption**

- **Applications in Climate Change**

Course Outcomes :

- Basic concepts of behavioural economics
- Overview of experimental economics
- Application of behavioural and experimental economics

References :

1. Readings for Topic 1
Camerer, Colin F., George Loewenstein and Matthew Rabin (2003) *Advances in Behavioral Economics*, Princeton University Press.
Mind, Behaviour and Society, World Development Report 2015, World Bank.
2. Readings for Topic 2
3. Plott, Charles R. & Smith, Vernon L. (2008) *Handbook of Experimental Economics*, North Holland.
4. Readings for Topic 3
5. Abhijit V. Banerjee and Esther Duflo, *The Experimental Approach to Development Economics*.
<http://economics.mit.edu/files/3159>
6. Sendhil Mullainathan, *Development Economics through the Lens of Psychology* (mimeo).

7. Saugato Datta and Sendhil Mullainathan (2012) "Behavioral Design: A New Approach to Development Policy." CGD Policy Paper 016, Washington DC: Center for Global Development.
<http://www.cgdev.org/content/publications/detail/1426679>
8. Marianne Bertrand, Sendhil Mullainathan and Eldar Shafir (2004) A Behavioral-Economics View of Poverty, *The American Economic Review*, Vol. 94, No. 2, pp. 419-4
9. Readings for Topic 4
10. Azam, Mehtabul (2012) The Impact of Indian Job Guarantee Scheme on Labor Market Outcomes: Evidence from a Natural Experiment, IZA DP No. 6548, IZA, Germany.
11. Jensen, Robert (2012) Do Labor Market Opportunities Affect Young Women's Work and Family Decisions? *The Quarterly Journal of Economics* 127, 753–7
12. Abhijit Banerjee, Marianne Bertrand, Saugato Datta, Sendhil Mullainathan (2009) Labor Market Discrimination in Delhi: Evidence from a Field Experiment, *Journal of Comparative Economics*, 37, pp. 14–
13. Bertrand, M. & Mullainathan, S. (2004) "Are Emily and Greg More Employable than Lakisha and Jamal? A Field Experiment on Labor Market Discrimination," *American Economic Review*, 94(4), pp. 991-10
14. Sukhadeo Thorat, Paul Attewell, Firdaus Fatima Rizvi (2009) Urban Labour Market Discrimination, IIDS Working Paper Series 111 No.
15. Lori Beaman and Jeremy Magruder (2010) Who Gets the Job Referral? Evidence from a Social Networks Experiment. <http://www.barcelonagse.eu/tmp/pdf/calvo2010-beaman.pdf>
16. Readings for Topic 5
17. Fredrik Carlsson, Gautam Gupta and Olof Johansson-Stenman (2009) Keeping up with the Vaishyas? Caste and Relative Standing in India, *Oxford Economic Papers* 61, pp. 52–
18. Fredrik Carlsson, Gautam Gupta and Olof Johansson-Stenman (2003) Choosing from Behind a Veil of Ignorance in India, *Applied Economics Letters*, pp. 825–8
19. Tarun Jain and Tulika Narayan (2010) Incentive to Discriminate? An Experimental Investigation of Teacher Incentives in India. http://www.isid.ac.in/~pu/conference/dec_10_conf/Papers/TarunJain.pdf
20. Hoff, Karla and Priyanka Pandey (2006) "Discrimination, Social Identity, and Durable Inequalities." *American Economic Review*, 96(2): 206-2
21. Jensen, Robert (2012) Do Labor Market Opportunities Affect Young Women's Work and Family Decisions? *The Quarterly Journal of Economics*. doi:1093/qje/qjs0
22. Readings for Topic 6
23. Rema Hanna, Esther Duflo and Michael Greenstone (2012) Up in Smoke: The Influence of Household Behavior on the Long-Run Impact of Improved Cooking Stoves, NBER Working Paper No. 180
<http://www.nber.org/papers/w18033>
24. Banerjee, Abhijit, Esther Duflo, Rachel Glennerster, and Dhruva Kothari (2010) Improving Immunization Coverage in Rural India: A Clustered Randomized Controlled Evaluation, *British Medical Journal* 340:c22
25. Banerjee, Abhijit, Shawn Cole and Esther Duflo Remediating Education: Evidence from Two Randomized Experiments in India, NBER Working Paper No. 119 <http://www.nber.org/papers/w11904>
26. Muralidharan, Karthik and Venkatesh Sundararaman (2013) Contract Teachers: Experimental Evidence from India, NBER Working Paper No. 194 <http://www.nber.org/papers/w19440>
27. Muralidharan, Karthik and Venkatesh Sundararaman (2011) Teacher Performance Pay: Experimental Evidence from India, *Journal of Political Economy*, Vol. 119, No. 1, pp. 39-
28. Readings for Topic 7
29. Bauer, Michal, Julie Chytilová, Jonathan Morduch (2008) Behavioral Foundations of Microcredit: Experimental and Survey Evidence from Rural India, IES Working Paper 28/20
30. Santosh Anagol, Shawn Cole, Shayak Sarkar (2013) Understanding the Advice of Commissions-Motivated Agents: Evidence from the Indian Life Insurance Market, Working Paper 12-0
31. Neeraj Sood, Eran Bendavid, Arnab Mukherji, Zachary Wagner, Somil Nagpal, Patrick Mullen (2014)

- Government Health Insurance for People Below Poverty Line in India: Quasi-experimental Evaluation, *British Medical Journal*, 349:g51 doi:1136/bmj.g5114
32. Readings for Topic 8
33. Shawn Cole, Xavier Giné, Jeremy Tobacman, Petia Topalova, Robert Townsend and James Vickery (2012) Barriers to Household Risk Management: Evidence from India, IMF WP/12/1
<https://www.imf.org/external/pubs/ft/wp/2012/wp121pdf>
34. Raghavendra Chattopadhyay and Esther Duflo (2004) Women as Policymakers: Evidence from a Randomized Policy Experiment in India, *Econometrica*, 72(5): 1409–14
35. Sujoy Chakravarty, Carine Sebi, E. Somanathan & Emmanuel Theophilus (2013) The Demographics of Cooperation: Evidence from a Field Experiment in the Gori-Ganga Basin, *Journal of Economics and Management*, Vol. 9(2), pp. 231-2
36. Marianne Bertrand, Simeon Djankov, Rema Hanna, Sendhil Mullainathan (2007) Obtaining a Driver's License in India: An Experimental Approach to Studying Corruption, *The Quarterly Journal of Economics*.
37. Banerjee, Abhijit V., Rukmini Banerji, Esther Duflo, Rachel Glennerster, Stuti Khemani Pitfalls of Participatory Programs: Evidence from a Randomized Evaluation in Education in India.
http://righttoeducation.in/sites/default/files/pitfalls_pdf

HSS622 Environmental Economics and EIA (60 Lecture Hrs)

Coordinators: Dr Amarendra Das
amarendra@niser.ac.in

Course Details :

- **Broad aspects of environmental economics**

Society and Environment: the Environmental Challenges and our Concerns and Current Environmental Issues. Mainstreaming Environment for Economic Development: the Issues and Problems; the Development Indices; Doomsday Scenarios – Limit to Growth Argument; and the Concept of "Another Development". Emergence of Environmental Economics: the Classical, Neo-Classical and Modern Economic Analysis; the Material Balance Approach; Optimal Depletion Path Argument & its Perspectives. The Welfare Economics: the Ethical Foundations of Environmental Economics, Role of SBCA, and the Concept of Externalities. Sustainable Development: from Concept & Theory to Operational Principles and Strategies. Environmental Management: from Problems to Strategies. The Global Crisis in Human Settlement and the Environmental Movements in the World and the CPR dilemma.

- **Environmental Impact Assessment (EIA)**

Why EIA? Historical Development of EIA; Organisation of EIA, Methodologies Adopted, Framework and Guidelines in EIA studies. Socio-Economic Aspects of EIA – the Approaches of Engineers, Economists and Social Scientists. EIA of Sectoral Development Projects, Status of EIA in different Countries vis-à-vis India, Case Studies of EIA.

- **Environmental Legislations & Policies**

Role of U.N. and its Associate Bodies, Role of World Bank and its Associates, World Trade Organisation: Environmental Disputes and the Global Agenda; The North-South Perspectives. Environmental Policies/Programmes and Protection Measures in India. Scope of Peoples' Participation in Management of Environment.

- **Project Assignments**

The projects should primarily deal with some of the methodologies of EIA.

Course Outcomes :

- Broad aspects of environmental economics
- Environmental legislations in India
- Environmental Impact Assessment in India

References :

1. Barthwal, R.R. (2002), Environmental Impact Assessment, New Age International (P) Ltd. Publishers, New Delhi.
2. Baumol, W.J. & Oates, W.E. (1975), The Theory of Environmental Policy: Externalities, Public Outlays and the Quality of Life, Prentice Hall Inc.
3. Bromley, Daniel W. (1995), The Handbook of Environmental Economics, Blackwell Publications Ltd.
4. Eccleston, Charles H. (2001), Effective Environmental Assessments, Lewis Publishers, Washington, D.C.

5. Government of India (1998), India: Sustaining Development, Ministry of Environment and Forest, New Delhi.
6. Holdgate, Martin W. & White, G.F. (Ed.) (1977), Environmental Issues, John Wiley & Sons.
7. Kneese, Allan V. (1995), Economics of Natural Resources, Edward Elgar Publications Ltd.
8. Pearce, D.W. (1976), Environmental Economics, Orient Longman Ltd.
9. World Bank (1992), World Development Report, 1992: Development and the Environment, Oxford University Press.
10. Additional Readings:
11. John O'Neil, Allan Holland & Andrew Light (2008), Environmental Values, Routledge.
12. Rath, B. (1999), "Environmental Economics: Issues, Policies, Strategies and Perspectives Part I", Orissa Economic Journal, Vol. XXXI, No. 1&2, pp. 4-
13. Rath, B. (2000), "Environmental Economics: Issues, Policies, Strategies and Perspectives Part II", Orissa Economic Journal, Vol. XXXII, No. 1&2, pp. 30-
14. Rath, B. (2008), Impact Evaluation Study of Biju Krushak Vikas Yojana & Pani Panchayat in all KBK Districts under RLTP, Submitted to Govt. of Orissa, Planning & Co-ordination Department.
15. Rath, B. (2008), Need Assessment Study for CSR of Auraiya Gas Power Station, AuGPP, NTPC Ltd, Dibiapur, Auraiya, Uttar Pradesh, Submitted to NTPC Ltd, New Delhi.
16. Rath, B. (1998), "Rehabilitation and Resettlement in India: Approaches, Policies and Remedial Action Plan", mimeo, IIT Kanpur.
17. Ramakrishnan, K. & Rath, B. (2001), "Power Project Development – Review of Social and Environmental Issues", mimeo, IIT Kanpur.
18. Singh, Sekhar (Ed.) (1984), Environmental Policy in India, Indian Institute of Public Administration, New Delhi.
19. Singh, Narindar (1976), Economics and the Crisis of Ecology, Oxford University Press, New Delhi.
20. Senca, Joseph J. & Taussing, M.K. (1974), Environmental Economics, Prentice Hall Inc.

DISCIPLINE : ENGLISH

HSS631 Humanities and the Institutional Space (60 Lecture Hrs)

Coordinators: Dr Joe Varghese Yeldho
joevy@niser.ac.in

Course Details :

- **Idea of Humanities**
History and Context. The speculative domain and the public sphere. Narrative accounts of ‘knowing’ as process.
- **Justifying the Humanities**
Problems in method. The linguistic turn. Impact of institutional science.
- **Notion of critique and it’s history**
The aesthetics of social protest. Architecture and propaganda. Transient Space and poetics. Cultures of Technological determinism.
- **The Institutional context**
Symbolism and institutional coda. Hierarchy and the history of resource allocation. Centring knowledge production. Education as consumption.
- **The Humanities and the Natural Sciences**
Conceptual value and frames of utility. Categorisation in science. Critical responses to the provenance of scientific ‘fact’ and ‘evidence.’

Course Outcomes :

- To understand the place that the humanities hold in the modern academic institution. To see the ways in which the academic debates fostered by the humanities have an impact on society and polity at large.

References:

1. Aristotle (1996). Poetics. London: Penguin.
2. Bourdieu, Pierre (1988). Homo Academicus. London: Polity.
3. Derrida, Jacques (2016). Dissemination. London: Bloomsbury.
4. Foucault, Michel (2010). ‘Biopolitique:’ Lectures. London: Picador.
5. Freire, Paulo (2014). Pedagogy of Hope. London: Bloomsbury.
6. Heidegger, Martin (2008). “On the origin of the work of art,” Basic Writings. New York: Harper Collins.
7. Kant, Immanuel (2007). Critique of Pure Reason. London: Penguin.
8. Lefebvre, Henri (1991). Production of Space. Oxford: Blackwell.
9. Levinas, Emmanuel (2000). Entre Nous. New York: Columbia UP
10. Locke, John (2014). An essay concerning human understanding. London: Wordsworth.
11. Poovey, Mary (1998). A History of the Modern Fact. Chicago: University of Chicago press.
12. Ranciere, Jacques (1991). The Ignorant Schoolmaster. Redwood: Stanford UP.

13. Readings, Bill (1997). *University in Ruins*. Cambridge: Harvard UP.
14. Tafuri, Manfredo (1976). *Architecture and Utopia*. Cambridge: MIT Press.

HSS632 The Modern European Novel (60 Lecture Hrs)

Coordinators: Dr Joe Varghese Yeldho
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Course Details :

- **Miguel de Cervantes – Don Quixote**
- **Marcel Proust – Swan in Love**
- **Nikolai Gogol – Dead Souls**
- **Thomas Mann – Dr. Faustus**
- **Jaroslav Hasek – The Good Soldier Svejk**
- **Robert Musil – The Man Without Qualities**
- **Joseph Roth- The Radetsky March**
- **Italo Calvino- If on a winter's night a traveler**

Course Outcomes :

- To read actively and use the literary text as an interpretative frame to understand societal interactions in Europe in an era that coincides with the metanarrative of modernity. It is important to understand these texts as they reveal the debates that render an easy adoption of the modern problematic.

References:

1. Agamben, Giorgio (2005). State of Exception. Chicago: Univ. of Chicago Press.
2. Badiou, Alain (2013). Being and Event. London: Bloomsbury.
3. Bakhtin, Mikhail (1988). Dialogic Imagination. Austin: Univ. of Texas Press.
4. Barthes, Roland. (1983). A Barthes Reader, ed. by Susan Sontag. New York; Hill and Wang.
5. Brink, André. (1998). The Novel: Language and Narrative from Cervantes to Calvino. New York: NYU Press.
6. Derrida, Jacques. (2006). Spectres of Marx. London: Routledge.
7. Freud, Sigmund (2010). Civilization and its Discontents. NY: W.W. Norton.
8. Kundera, Milan. (2003). The Art of the Novel. London: Penguin.
9. Lukács, Georg. (2002). Studies in European Realism. New York: Howard Fertig.
10. Mander, Jenny. (2007). Remapping the Rise of the European Novel. Oxford: Voltaire Foundation.
11. Nabokov, Vladimir. (2002). Lectures on Literature. NY: Mariner Books
12. Nash, Christopher. (1988). World-games: The Tradition of Anti-realist Revolt. London: Routledge.

HSS633 The Idea of the Nation in Indian English Fiction (60 Lecture Hrs)

Coordinators: Dr Amarjeet Nayak
amarjeet@niser.ac.in

Course Details :

- **Introduction: Theories of Nation and Nationalism**
Key debates from political theory and postcolonial studies.
- **The Nation in Colonial and Postcolonial Contexts**
Historical and cultural conditions shaping Indian English fiction.
- **Representative Novels and Authors**
Readings from R. K. Narayan, Salman Rushdie, Arundhati Roy, Amitav Ghosh, and others.
- **Narratives of Resistance and Alternative Nationalisms**
Subaltern perspectives, gendered readings, and minority voices.
- **Contemporary Engagements**
Globalisation, diaspora, and transnational identities in recent fiction.

Course Outcomes :

- To critically examine how the nation is imagined, represented, and contested in Indian English fiction.
- To study major works that have contributed to literary debates about nationalism, identity, and modernity in India.
- To analyse the relationship between literature, history, and politics in the shaping of national consciousness.

References:

1. Anderson, Benedict. *Imagined Communities*. London: Verso, 20
2. Chatterjee, Partha. *The Nation and Its Fragments*. Princeton UP, 19
3. Ghosh, Amitav. *The Shadow Lines*. Penguin, 20
4. Roy, Arundhati. *The God of Small Things*. HarperCollins, 19
5. Rushdie, Salman. *Midnight's Children*. Vintage, 19
6. Tharoor, Shashi. *The Great Indian Novel*. Penguin, 19

Additional readings to be provided by the instructor.

HSS634 Black Intellectual Traditions and the Narratives of Race in America (60 Lecture Hrs)

Coordinators: Dr Joe Varghese Yeldho
joevy@niser.ac.in

Course Details :

- **Frances E.W. Harper – Iola Leroy**
- **F. Douglass- Narrative of the Life of Frederick Douglass**
- **Booker T. Washington – Up from Slavery**
- **W E B Du Bois - The Souls of Black Folk**
- **Langston Hughes – The Weary Blues**
- **Zora Neale Hurston - Dust Tracks on a Road**
- **James Baldwin – Go Tell it on the Mountain**
- **Ralph Ellison- Invisible Man**
- **Harold Cruse- The Crisis of the Negro Intellectual**
- **Angela Davis- Blues Legacies and Black Feminism**

Course Outcomes :

- To learn the intellectual context in which ideations of self, identity, race and citizenship have influenced literary and cultural production, primarily in North America. To use the texts selected for study as an entry point to deliberate issues of education, work and urbanization that affect the African American community.

References:

1. Boxill, Bernard R (1810). Blacks and Social Justice. NY: Rowman & Littlefield.
2. Edwards, Brent Hayes (2003). The Practice of Diaspora: Literature, Translation and the Rise of Black Internationalism. Cambridge: Harvard UP.
3. Gates, Henry Louis (1989). The Signifying Monkey. London: OUP.
4. Morrison, Toni (1993). Playing in the Dark: Whiteness and the Literary Imagination. NY: Vintage.
5. Napier, Winston (2000). African American Literary Theory: A Reader. NY: NYU Press.
6. Pittman, John P. (1996). African American Perspectives and Philosophical Traditions. London: Routledge

HSS635 Writings of the South Asian Diaspora (60 Lecture Hrs)

Coordinators: Dr Amarjeet Nayak
amarjeet@niser.ac.in

Course Details:

- **Introduction to Diaspora Studies**

Concepts of diaspora, exile, migration, hybridity.

- **Historical Contexts**

Colonial and postcolonial migrations from South Asia.

- **Major Authors and Texts**

Jhumpa Lahiri, V. S. Naipaul, Hanif Kureishi, Kamila Shamsie, Monica Ali, Rohinton Mistry.

- **Themes and Concerns**

Memory, home, belonging, cultural hybridity, intergenerational conflict.

- **Critical Perspectives**

Theories of globalisation, cosmopolitanism, and identity politics in diaspora literature.

Course Outcomes :

- To explore key literary works by writers of South Asian origin living outside the subcontinent.
- To understand themes of displacement, migration, identity, and cultural negotiation in diasporic literature.
- To examine critical theories of diaspora, hybridity, and transnationalism.

References:

1. Brah, Avtar. *Cartographies of Diaspora*. Routledge, 19
2. Hall, Stuart. *Cultural Identity and Diaspora*. Routledge, 19
3. Lahiri, Jhumpa. *Interpreter of Maladies*. Houghton Mifflin, 19
4. Mistry, Rohinton. *A Fine Balance*. Vintage, 19
5. Naipaul, V. S. *The Mimic Men*. Penguin, 19
6. Rushdie, Salman, ed. *The Vintage Book of Indian Writing 1947–19* Vintage, 19
7. Additional readings to be provided by the instructor.

HSS636 Translation and Culture: Issues and Perspectives (60 Lecture Hrs)

Coordinators: Dr Amarjeet Nayak
amarjeet@niser.ac.in

Course Details :

- **Introduction to Translation Studies**
Definitions, history, and scope of translation studies.
- **Translation and Cultural Context**
How culture shapes meaning; translation as cross-cultural communication.
- **Politics of Translation**
Postcolonial perspectives, gender and translation, minority language translation.
- **Case Studies**
Analysis of literary translations from and into Indian languages.
- **Contemporary Issues**
Translation and globalisation, machine translation, copyright issues.

Course Outcomes :

- To understand translation as a cultural, political, and ideological act.
- To explore the relationship between language, power, and identity in translation practices.
- To develop a critical approach to reading translations in various socio-political contexts.

References:

1. Bassnett, Susan. Translation Studies. Routledge, 20
2. Bassnett, Susan, and Harish Trivedi, eds. Post-colonial Translation: Theory and Practice. Routledge, 19
3. Lefevere, André. Translation, Rewriting, and the Manipulation of Literary Fame. Routledge, 19
4. Niranjana, Tejaswini. Siting Translation. University of California Press, 19
5. Venuti, Lawrence. The Translator's Invisibility. Routledge, 20

Additional readings to be provided by the instructor.

DISCIPLINE : PSYCHOLOGY

HSS651 Organizational Behaviour (60 Lecture Hrs)

Coordinators: **Dr Rooplekha Khuntia**
rooplekha@niser.ac.in

Course Details :

- **Growth of Organizational Behaviour as a field of study**
Scientific management, Hawthorne studies, Industrial Psychology, Human Relations approach, and other contributing disciplines.
- **Individual level processes**
Personality, values, attitude, emotions, perception, motivation, learning, and decision-making.
- **Group level processes**
Communication, power and politics, leadership, groups, team dynamics, conflict, and conflict resolution.
- **Organizational system**
Organization structure, organizational culture, and organizational effectiveness.
- **Organizational Dynamics**
Organizational change, stress management, human resource policies, and challenges.

Course Outcomes :

- Acquire knowledge and thorough understanding of the historical background and growth of OB
- Understand the dynamics of individual human behavior and group behavior at the workplace
- Identify and analyze how individuals, groups, and organizational systems interact to influence organizational effectiveness and efficiency

References:

1. Organizational Behaviour – Margie Parikh and Rajen Gupta, Tata McGraw Hill.
2. Organizational Behaviour – Stephen Robbins, Prentice-Hall India.
3. Organizational Behaviour – Fred Luthans, McGraw-Hill International Edition.
4. Understanding Organizational Behaviour – U. Pareekh and S. Khanna, Oxford University Press.
5. Organizational Behaviour – S. L. McShane and M. A. V. Glinow, Tata McGraw Hill.
6. Organizational Behaviour: Human Behaviour at Work – J.W. Newstrom and K. Davis, McGraw Hill.
7. Work in the 21st Century: An Introduction to Industrial and Organizational Psychology, Blackwell Publishing.
8. *Additional reading to be provided by the instructor as the course progresses.

HSS652 Leadership (60 Lecture Hrs)

Coordinators: **Dr Rooplekha Khuntia**
rooplekha@niser.ac.in

Course Details :

- **Introduction**

What is leadership – the difference between leadership and management.

- **Traditional theories of leadership**

Trait approach, Behavioural approach, Situational approach.

- **Contemporary theories of Leadership**

Transactional and transformational leadership theory, charismatic leader, relational leadership, authentic leadership theory, servant leader, ethical leader, spiritual leaders.

- **Power and leadership**

Influence, empowerment, participation, trust.

- **Role of leader in organizational change**

Leadership tasks, patterns and techniques.

- **Leadership in the Indian context**

Nurturant task leadership.

- **Leadership in a changing world**

Interdependence, diversity, group maintenance.

- **Trends in leadership research**

Course Outcomes :

- Understood the different attributes of effective leadership in terms of traits and styles.
- Compare and contrast different leadership theories and their relevance within a context.
- Sources of power and its influence on leader-member relationship in a diverse and interdependent group.

References:

1. Organizational Behaviour by K. Davis and J. W. Newstrom.
2. Organizational Change Through Effective Leadership by R. Guest, P. Hersey and K. Blanchard.
3. The Cultural Context of Leadership and Power by J. B. P. Sinha.
4. Servant Leadership: A Journey into the Nature of Legitimate Power and Greatness by R. K. Greenleaf.
5. Business Gurus Speak by S. N. Chary.
6. Business Maharajas by Gita Piramal.
7. Additional readings to be provided by the instructor as the course progresses.

HSS653 Organizational Change and Development (60 Lecture Hrs)

Coordinators: Dr Rooplekha Khuntia
rooplekha@niser.ac.in

Course Details :

- **Introduction**
Content of change, types of change, forces of change.
- **Approaches to managing change**
Communicating change, resistance to change, creating readiness for change.
- **Understanding Organization as a System**
Organization culture, organizations as sociotechnical systems.
- **Understanding Organizational Development**
Models of Organizational Development, diagnostic process.
- **Implementing planned change**
Human process intervention, technostructural intervention, human resource intervention, strategic change intervention.
- **Applications of Organizational Development**
Organizational development for economic, ecological and social outcomes.

Course Outcomes :

- Define the different concepts of Organizational Change and Organizational Development.
- Explain different change models, the need for change.
- Learn about different OD models, diagnosis, intervention and evaluation.
- Discuss OD process and human resource within the framework of organization's culture.

References:

1. An Experiential Approach to Organization Development by D. R. Brown and D. Harvey.
2. Organization Development and Transformation by Wendell L. French, Cecil H. Bell, Jr. and Robert Zawacki.
3. Managing Organizational Change: A Multiple Perspective Approach by I. Palmer, R. Dunford, and G. Akin.
4. Organizational Development and Change by T. G. Cummings and C. G. Worley.
5. Additional readings to be provided by the instructor as the course progresses.

HSS654 Positive Psychology (60 Lecture Hrs)

Coordinators: **Dr Rooplekha Khuntia**
rooplekha@niser.ac.in

Course Details :

- **Introduction**

What is Positive Psychology, history and background, models of positive psychology.

- **Perspectives on Happiness and Wellbeing**

Defining happiness, meaning and measurement of happiness, methods of happiness research, determinants of happiness.

- **Psychological capital**

Positive traits, identifying and assessing strengths, positive emotions, emotional intelligence, strengths vs. weaknesses.

- **Positive relationships**

Building meaningful relationships through empathy, forgiveness, gratitude, compassion, altruism, positive emotions etc.

- **Applications of positive psychology**

Health, ageing, work, education, positive psychology and public policy, clinical applications.

Course Outcomes :

- Understand the basic assumptions, principles and concepts of Positive Psychology.
- Study positive phenomena in real life as to how it applies to relationships and teams.
- To identify and describe research methods predominantly used in positive psychology research.
- Critically evaluate theory and research.

References:

1. Character Strengths and Virtues: A Handbook and Classification by C. Peterson and M. E. P. Seligman. American Psychological Association and Oxford University Press.
2. Handbook of Positive Psychology by C. R. Snyder and S. J. Lopez.
3. A Primer in Positive Psychology by C. Peterson.
4. Introduction to Positive Psychology by William Compton.
5. Positive Psychology: The Scientific and Practical Explorations of the Human Strengths by C. R. Snyder and S. J. Lopez.
6. The Optimistic Child by M. E. P. Seligman, K. Reivich, L. Jaycox and J. Gilham.
7. Additional readings to be provided by the instructor as the course progresses.

HSS655 Cross Cultural Psychology (60 Lecture Hrs)

Coordinators: Dr Rooplekha Khuntia
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Course Details :

- **Understanding cross-cultural psychology**
Perspectives on culture, culture and human nature, nature vs. nurture.
- **Research methods for cultural psychology**
Critical thinking, multicultural psychology, research and testing, worldviews.
- **Culture and Cognition**
Sensation and perception, states of consciousness, self, intelligence, emotion, motivation.
- **Development and Socialization**
Communication, cross-cultural contact and the process of acculturation, social perception.
- **Culture and health**
Cultural differences in the definition of health, psychosocial and sociocultural influences on health, culture and psychological disorders.
- **Multicultural competency**
Identity development, attributions, work-related values, workplace attitudes.

Course Outcomes :

- Have a strong knowledge base in the concepts and theories of cross-cultural psychology.
- Acquire an overview of methods used in cross-cultural research, critically evaluate cross-cultural research and review the generalizability of such research findings.
- Identify the ways in which cultural dimensions influence human cognition and behavior.

References:

1. Cross-Cultural Psychology by Shiraev, E. & Levy, D.
2. Cross-cultural Psychology: Research and Applications by Berry, J., Poortinga, Y. H., Segall, M. H., & Dasen, P. R., Cambridge University Press.
3. Human Behavior in Global Perspective: An Introduction to Cross-Cultural Psychology by Segall, Marshall H., Dasen, Pierre R., Berry, John W., Poortinga, Ype H. Elmsford, Pergamon General Psychology Series, Vol. 160, NY, US: Pergamon Press (1990).
4. Handbook of Cross-cultural Psychology: Basic Processes and Human Development by John W. Berry, Ype H. Poortinga, Janak Pandey, Allyn & Bacon.
5. Understanding Cross-Cultural Psychology: Eastern and Western Perspectives by Pittu D. Laungani, Sage South Asia.
6. Psychology and Culture: Thinking, Feeling and Behaving in a Global Context by L. M. Vaughn, Psychology Press, T&F Group.
7. Additional readings to be provided by the instructor as the course progresses.

HSS656 Business Ethics (60 Lecture Hrs)

Coordinators: **Dr Rooplekha Khuntia**
rooplekha@niser.ac.in

Course Details :

- **Introduction to Business Ethics**

Business ethics: an overview, concepts and theories.

- **Ethical theory and business**

Ethical decision making in business – deontology and teleology, rights, fairness and justice. Ethical dilemmas – sources and their resolution.

- **Corporate Social Responsibility**

Business's environmental responsibilities, employee responsibility, moral rights in the workplace, diversity and discrimination.

- **Managing Stakeholder Relations**

Types of stakeholder relations, problems with stakeholder collaborations.

- **Globalization and business ethics**

Doing business in a global marketplace, differing labor and environmental standards.

Course Outcomes :

- Understand and evaluate various ethical frameworks of business decision making.
- Analyze the relationship between macroeconomic policy, good economics and corporate social responsibility.
- Understand stakeholder relations and challenges to ethical business in a globalized world.

References:

1. Ethics and the Conduct of Business by John R. Boatright, Pearson Education.
2. Business Ethics: An Indian Perspective by A. C. Fernando, Pearson Education.
3. Business Ethics: Concepts and Cases by Manuel G. Velasquez, Prentice Hall India.
4. Perspectives in Business Ethics by Laura P. Hartman and Abha Chatterjee, McGraw-Hill.
5. Business Ethics: A Stakeholder and Issues Management Approach by J. W. Weiss, Thomson.
6. A Theory of General Ethics: Human Relationships, Nature and the Built Environment by Warwick Fox, Prentice Hall India.
7. Ethics in Business and Corporate Governance by S. K. Mandal, McGraw-Hill.
8. Additional readings to be provided by the instructor as the course progresses.

DISCIPLINE : SOCIOLOGY

HSS671 Classical Sociological Theory (60 Lecture Hrs)

Coordinators: Dr Pranay Swain
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Course Details :

- **Theory and research**
Relation between theory and research, the nature and use of theory, basic concepts.
- **Fundamental perspectives of society**
Conceptualization of social system, social structure and culture, various perspectives, subjectivity vs objectivity.
- **Comte, Spencer, and Marx**
Contending visions of a science of society.
- **Durkheim and Weber**
Rules of Sociological Methods, Suicide, Division of Labour.
- **Conflict theory**
Marx: Dialectical Materialism; Frankfurt School and Critical Theory; Jurgen Habermas. Kant's Critique of Pure Reason, Paul Feyerabend and Ralf Dahrendorf's perspectives.
Modern Approaches: C. Wright Mills; Postmodernism.
- **The theory of action**
Structural-functionalism, and the course of American sociology. Talcott Parsons, The Structure of Social Action, Robert Merton, Social Theory and Social Structure.
- **Neoclassical theories**
Exchange theory, symbolic interactionism, phenomenology, ethnomethodology, structuration theory.

Course Outcomes :

- Application of Sociological theories.
- Understanding the fundamental concepts and perspectives.
- Conceptualization of social systems/structures/functions.

References:

1. Tom Bottomore (1978), Marxism and Sociology, in Bottomore and Nisbet (eds.), A History of Sociological Analysis, pp. 118-1
 2. Coser, Lewis (1975), Masters of Sociological Thought, NY: Harcourt, Brace, Jovanovich.
 3. Giddens, Anthony (1972), Emile Durkheim: Selected Writings, Cambridge: Cambridge University Press.
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4. Giddens, Anthony (2006), *Sociology*, Polity Press, New York.
5. Giddens, Anthony (1992), *Capitalism and Modern Social Theory*, Cambridge: Cambridge University Press.
6. Marx, Karl (1964), *Selected Writings in Sociology and Social Philosophy*, translated by T. B. Bottomore, NY: McGraw Hill.[6] Turner, Jonathan (1994), *The Structure of Sociological Theory*, Belmont, CA: Wadsworth.
7. Parsons, Talcott (1967), *The Structure of Social Action*, Vol. 1, Part I, Free Press. Merton, Robert (1968), *Social Theory and Social Structure*, enlarged edition, Free Press, pp. 39-1
8. Weber, Max (1958), *Essays in Sociology*, Oxford University Press.

HSS672 Information and Society (60 Lecture Hrs)

Coordinators: Dr. Debashis Pattanaik
debas@niser.ac.in

Course Details :

- **Information & the idea of information society**
- **Classical tradition**
Functional analysis, functions and dysfunction, political economy, hegemony and dialectical materialism.
- **Modern theory**
Critical theory and socio-cultural tradition.
- **Post-industrialist and late modern tradition**
Neoevolutionism, post-industrial society, information, structure and agency, paradoxes of modernity, surveillance.
- **Debates on information and advanced capitalism**
Political economy, market criteria, class inequalities, objections to critical theory, theories of information manipulation, the public sphere, information change, public service institutions.
- **Information and postmodernism**
Regulation school, globalization, post-Fordism, flexible specialization, theories of network society.

Course Outcomes :

- Demonstrate an understanding of the impact of information & information technology on society & change process.
- Identify key issues involved in the development of the Information Society.
- Articulate personal perspectives and show a critical awareness of the positive and negative issues of the information society.
- Use the internet and social media to develop communication skills and share information.

References:

1. Anderson, Benedict (1983). *Imagined Communities: Reflections on the Origin and Spread of Nationalism*, second edition, Verso, 19
 2. Baudrillard, Jean (1985). The masses: the implosion of the social in the media. *New Literary History*, 16(3): 577-5
 3. Baudrillard, Jean (1976). *Symbolic Exchange and Death*. Translated by Iain Hamilton Grant, Introduction by Mike Gane. Sage, 19
 4. Bell, Daniel (1973). *The Coming of Post-Industrial Society: A Venture in Social Forecasting*. Harmondsworth: Penguin, 19
 5. Castells, Manuel (1999). An Introduction to the Information Age. In Hugh Mackay and Tim O'Sullivan (eds.), *The Media Reader: Continuity and Transformation*, London: Sage.
 6. Castells, Manuel (1996). *The Rise of the Network Society*. Oxford: Blackwell.
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7. Drucker, Peter F. (1993). *Post-Capitalist Society*. New York: HarperCollins.
8. Duff, Alistair S. (2000). *Information Society Studies*. Routledge.
9. Giddens, Anthony (1991). *The Consequences of Modernity*. Cambridge: Polity.
10. Habermas, Jürgen (1974). The public sphere. *New German Critique* 3: 49-
11. Habermas, Jürgen (1962). *The Structural Transformation of the Public Sphere: An Inquiry into a Category of Bourgeois Society*. Translated by Thomas Burger with the assistance of Frederick Lawrence. Cambridge: Polity, 19
12. Jay, Martin (1973). *The Genesis of Critical Theory*. In *The Dialectical Imagination*, Little, Brown & Co.
13. Karl Marx (1859). *Preface to Contribution to a Critique of Political Economy*.
14. Lasswell, Harold (1948). *The Structure and Function of Communication in Society*. In Schramm W. (Ed.), *Mass Communication* (2nd ed., 1960). Urbana, IL: University of Illinois.
15. Lash, Scott (2002). *Critique of Information*. Routledge.
16. Lunt, Peter and Livingstone, Sonia (2013). Media Studies' fascination with the concept of the public sphere: critical reflections and emerging debates. *Media, Culture & Society*, 35(1), 87-
17. McLuhan, Marshall (1964). *The Medium is the Message*. In *Understanding Media: The Extension of Man*. Reprint 1994, MIT Press.
18. Schiller, Herbert (1991). Not yet the post-imperialist era. *Critical Studies in Mass Communication*,
19. Wright, Charles (1960). Functional analysis and mass communication. *Public Opinion Quarterly*,

HSS673 Sociology of Development (60 Lecture Hrs)

Coordinators: **Dr Pranay Swain**
pranay@niser.ac.in

Course Details :

- **Sociological perspectives**

What is Development? Why does it matter?

Economic, human, social, sustainable, and ecological notions of development.

- **Theories/models of development**

Modernization theory (new modernization studies), is development premised on underdevelopment?

Dependence theory (new dependence studies), world system theory, global system interdependence.

- **Globalization and Modernization**

What is Globalization? Role of Globalization in Economic Development. Can everyone catch up?

Modernization Theory.

- **Development indicators**

Human Development Index, Millennium Development Goals.

- **Sustainable Development**

What is Sustainable Development? Factors of Sustainable Development, participatory development.

Environmental issues and ecological discourses.

- **Development reconsidered**

Urbanization in global system, stakeholders' approach.

- **Development induced social problems**

Displacement, regional disparity, social exclusion, unequal distribution of benefits.

- **The Capabilities Approach**

Capabilities approach and its philosophical foundations and understanding of development, applications of capabilities approach to concrete social issues.

- **Contemporary Issues in Development**

Special reference to India: health, education and livelihood. Case studies and contemporary debates. Rights of future generations, reduce, recycle and reuse.

Course Outcomes :

- Understanding various notions of development
- Broadened perspectives on various models of development
- Understanding development indicators and contemporary issues in Development

References:

1. Allen, T. and Thomas, A. (2000). *Poverty and Development into the 21st Century*. Oxford: Oxford University Press.
2. Bernstein, H. (1971). "Modernization theory and the sociological study of development." *Journal of Development Studies*, 7(2), pp. 141-1
3. Derze, Jean and Sen, Amartya. (1998). *India: Economic Development and Social Opportunity*. O.U.P, New Delhi.
4. Harrison, D.H. (1958). *The Sociology of Modernization and Development*. Routledge, London.
5. Heyte, Teresa. (1971). *Aid as Imperialism*. Pelican.
6. Myrdal, Gunnar. (1989). "The Equality Issue in World Development." *The American Economic Review*, Vol. 79, No. 6, December 19
7. Nussbaum, M. (2003). "Capabilities and Social Justice." *International Studies Review*, 4(2), pp. 123-1
8. Osorio, Leonardo et al. (2005). "Debates on sustainable development: towards a holistic view of reality." *Environment, Development and Sustainability*, 7: 501-5
9. Planning Commission of India: various reports and working papers.
10. Preston, P.W. (1982). *The Theories of Development*. Routledge, London.
11. Sen, A. (1999). *Development as Freedom*. New York: Alfred A. Knopf. Introduction and Chapters 1 and
12. UNDP. Various Years. *Human Development Report*.
13. Wallerstein, Immanuel. (1992). "The Concept of National Development, 1917-1989: Elegy and Requiem." *American Behavioral Scientist*, 45(4/5): 517-5 Also published in Wallerstein, Immanuel. (1995). *After Liberalism*. New York: The New Press, pp. 108-1
14. Webster, Andrew. (1984). *Introduction to Sociology of Development*. McMillan, London.

HSS674 Contemporary Social Theory (60 Lecture Hrs)

Coordinators: Dr. Debashis Pattanaik
debas@niser.ac.in

Course Details :

- **Exchange and Rational Choice Theory**

Introduction, social behavior as exchange, exchange and power, collective action.
Critical Theory (6 classes + 2 tutorials)
Mass media and mass society, power structure, lifeworld vs system, public sphere.

- **Middle Range Functionalism and Neofunctionalism**

Middle range functional analysis, social structure, functionalism to neo-functionalism, social action and social order.

- **Theories of Institutions and Networks**

Economic embeddings and social structure, collective rationality, structural holes.

- **Theories of Modernity & Postmodernity**

Modernity and its consequence, critique of modernity, world system, crisis in modern world system, globalization and nation state, mass media and the simulation of reality, enchanted consumption.

- **Theories of Human Agency, Structuration and Social System**

Agency, social structure and system, structuration, morphogenic process, models of social system, self-creation and self-organization of social system.

Course Outcomes :

- Understanding and knowledge of a range of sociological theorists and their contributions to the field.
- Equipped with ideas about sociological theory into a coherent argument, applying the tools of critical analysis.
- Evaluate the theories encountered and assess their relevance to contemporary problems.
- Ability to analyze the differences between theories according to different social realities.

References:

1. Abbott, Andrew. (2001). *The Chaos of Disciplines*. Pp. 3- Chicago: University of Chicago Press.
2. Alexander, J.C. (1998). *Neofunctionalism and After*. Basil Blackwell.
3. Archer, M. (1982). "Morphogenesis versus structuration: On combining structure and action." *The British Journal of Sociology*, 33(4): 455–
4. Baudrillard, Jean. (2008). "Simulacra and Simulations." Pp. 230-2 In *The New Social Theory Reader*, Second Edition, edited by Steven Seidman and Jeffrey Alexander. New York: Routledge.
5. Bauman, Z. (1992). *Imitations of Postmodernity*. London: Routledge.
6. Burt, R.S. (2004). "Structural holes and good ideas." *American Journal of Sociology*, 110(2): 349-3
7. Blumer, Herbert. (1969). "Society as Symbolic Interaction." Pp. 78- In *Symbolic Interactionism: Perspective and Method*. Berkeley: University of California Press.
8. Calhoun, Craig, Joseph G., Moody, James J., Pfaff, S., and Virk, I. (eds.). (2012). *Contemporary Sociological*

- Theory. UK: Blackwell.
9. Layder, D. (1994). *Understanding Social Theory*. London: Sage Publications.
 10. Emirbayer, Mustafa and Goodwin, Jeff. (1994). "Network analysis, culture, and the problem of agency." *American Journal of Sociology*, 99: 1411-14
 11. Goffman, Erving. (1959). *The Presentation of Self in Everyday Life*. New York: Doubleday. Selection: Pages 17-
 12. Garfinkel, Harold. (1967). "Studies of the routine grounds of everyday activities." Pp. 35- In *Studies in Ethnomethodology*. Cambridge: Polity Press.
 13. Granovetter, Mark. (1985). "Economic action and social structure: The problem of embeddedness." *American Journal of Sociology*, 91(3): 481-5
 14. Horkheimer, Max. (1989). "Traditional and Critical Theory." Pp. 171-1 In *An Anthology of Western Marxism: From Lukacs and Gramsci to Socialist-Feminism*, edited by Roger Gottlieb. New York: Oxford University Press.
 15. Habermas, Jürgen. (1998). "Civil Society and the Political Public Sphere." Pp. 359-3 In *Between Facts and Norms: Contributions to a Discourse Theory of Law and Democracy*. Cambridge: MIT Press.
 16. Habermas, Jürgen. (2009). "Political Communication in Media Society: Does Democracy Still Have an Epistemic Dimension? The Impact of Normative Theory on Empirical Research." Pp. 138-1 In *Europe: The Faltering Project*. New York: Polity Press.
 17. Homans, George C. (1958). "Social behaviour as exchange." *American Journal of Sociology*, 63: 579-6
 18. Luhmann, N. (1995). *Social Systems*. Stanford: Stanford University Press.
 19. Marcuse, Herbert. (1968/2000). "Philosophy and Critical Theory." Pp. 357-3 In *Social Theory: Roots and Branches*, edited by Peter Kivisto. Los Angeles: Roxbury Publishing.
 20. Schutz, Alfred. (1973). "Some leading concepts of phenomenology." Pp. 99-1 In *Collected Papers: The Problem of Social Reality*, edited by Maurice Natanson. The Hague: Martinus Nijhoff.
 21. Sewell, William H., Jr. (1992). "A Theory of Structure: Duality, Agency, and Transformation." *The American Journal of Sociology*, 98(1): 1-

HSS675 Qualitative Research Methods (60 Lecture Hrs)

Coordinators: Dr Pranay Swain
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Course Details:

- **The Scientific Method and Sociological Inquiry**
Qualitative versus quantitative research in the social sciences, approaches to qualitative research.
- **Action Research**
Action research/Participatory action research: the how and why of Action Research, community mapping as a tool, Participatory Rural Appraisal.
- **Qualitative Research Design**
Designing qualitative research, review of literature and composing research questions, site selection and sampling.
- **Ethics in Qualitative Research**
Ethics in qualitative research, dangers in the field: positioning yourself as researcher and ethnographic fieldwork.
- **Role of Researcher**
Getting in and getting along: positioning yourself as researcher, issues of data quality and applicability.
- **Tools of Collecting Qualitative Data**
Triangulation, observation/participant observation, ethnography and naturalistic methods, observation debriefing; introduction to in-depth interviews, writing interview questions and practicing probes, focus group interviews, case studies.
- **Qualitative Data Analysis**
Content analysis, computers and qualitative analysis, mixing qualitative and quantitative research: possibilities and pitfalls.
- **Report Writing**
Making sense of qualitative data, writing up qualitative findings, writing workshop.

Course Outcomes :

- Able to understand the nuances of qualitative research approaches.
- Skills for qualitative research tools.
- Making sense of qualitative data and analysis.
- Competence for report writing.

References:

1. Bailey, Carol A. (2007). A Guide to Qualitative Field Research (2nd ed.). Thousand Oaks, CA: Sage
-

Publications.

2. Berg, Bruce L. (2007). *Qualitative Research Methods for the Social Sciences* (6th ed.). MA: Pearson Education.
3. Esterberg, Kristin G. (2002). *Qualitative Methods in Social Research*. Boston, MA: McGraw-Hill Higher Education.
4. Mason, Jennifer. (2002). *Qualitative Researching* (2nd ed.). Thousand Oaks, CA: Sage Publications.
5. Patton, Michael Q. (2002). *Qualitative Evaluation and Research Methods* (3rd ed.). Newbury Park, CA: Sage Publications.
6. Morgan, David L. (1997). *Focus Groups as Qualitative Research* (2nd ed.). Thousand Oaks, CA: Sage Publications.
7. Berg, B. & Lune, H. (2012). *Qualitative Methods for the Social Sciences*, pp. 61–
8. Stein, Arlene. (2010). “Sex, Truths, and Audiotape: Anonymity and the Ethics of Exposure in Public Ethnography.” *Journal of Contemporary Ethnography*, 39(5): 554–6 Topics: Ethical questions and controversies in conducting research.
9. Berg, B. & Lune, H. (2012). *Qualitative Methods for the Social Sciences*, pp. 196–2 Topics: Entering the field; doing observation.

HSS676 Quantitative Research Methods (60 Lecture Hrs)

Coordinators: Dr. Debashis Pattanaik
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Course Details :

- **Introduction**

Research question and resources, objectivity and subjectivity: debate on values.

- **Measurement in Social Science**

Operationalization, variables, measurement, validity, reliability.

- **Research Design**

Survey research, experimental design.

- **Introduction to Statistical Methodology & Basic Probability**

Frequency tables and histogram, graphical methods, measures of central tendency, measures of dispersion, coefficient of variation and coefficient of dispersion, probability, probability rules, permutation and combinations, probability distribution, the binomial distribution, normal distribution.

- **Sampling Distribution of Mean & Estimation of Population Mean**

Population distribution, central limit theorem, standard error of the mean, Z distribution, Student's t distribution, assumptions for t distribution, estimation vs hypothesis testing, point estimate, confidence intervals for a single population mean, Z and t statistics for two independent samples, confidence intervals for the difference between means from two independent samples: variance known and variance unknown.

- **Test of Hypotheses**

Terminology, Neyman–Pearson test formulation, test of a mean: population variance known, test of a mean: population variance unknown, one-tailed versus two-tailed tests, p-values, Type I and Type II errors.

Course Outcomes :

- Ability to collect, organize, design, and draw inferences from data with respect to a question using appropriate statistical methodology and problem-solving skill.
- Ability to read, interpret, and critically analyze journal articles directed at Ph.D. students.
- Arrange a sample survey for his/her own research purposes.
- Undertake univariate and bivariate statistical tests as appropriate.

References:

1. Babbie, E. R. (2009). *The Practice of Social Research*. New York: Wadsworth Publishing.
2. Booth, W. (2003). *The Craft of Research*. London: The University of Chicago Press.
3. Black, T. R. (1999). *Doing Quantitative Research in Social Sciences: An Integrated Approach to Research Design, Measurement and Statistics*. London: Sage Publications.
4. Cooper, R. A. & Weekes, A. J. (1983). *Data, Models and Statistical Analysis*. New Jersey: Barnes and Noble Books.

5. Fowler, F. J. (2009). *Survey Research Methods (Applied Social Research Methods)*. London: Sage Publications.
6. Gupta, S. C. & Kapoor, V. K. (2014). *Fundamentals of Mathematical Statistics*. New Delhi: S. Chand.
7. Kalton, Graham. (1983). *Introduction to Survey Sampling*. Newbury Park: Sage.
8. Henry, G. T. (1995). *Graphing Data – Techniques for Display and Analysis*. Thousand Oaks, CA: Sage Publications.
9. Healey, J. F. (2005). *Statistics: A Tool for Social Research*. Belmont: Wadsworth Publishing.
10. Huck, S. W. (2007). *Reading Statistics and Research*. Boston: Allyn and Bacon.
11. Maxim, P. S. (1999). *Quantitative Research Methods in the Social Sciences*. Oxford: Oxford University Press.
12. Nachmias, C., Frankfort & Leon-Guerrero. (2006). *Social Statistics for a Diverse Society*. Thousand Oaks, CA: Pine Forge Press.
13. Shadish, W. R. & Cooke, T. (2011). *Experimental and Quasi-Experimental Designs for Field Research*. London: Routledge Academic.
14. Van Leeuwen, T. & Jewitt, C. (eds.) (2001). *Handbook of Visual Analysis*. London: Sage Publications.
15. Wagner, William E. (2014). *Using IBM SPSS Statistics for Research Methods and Social Science Statistics*. Sage Publications.

HSS677 Social Network Analysis (60 Lecture Hrs)

Coordinators: Dr. Debashis Pattanaik
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Course Details :

- **Introduction to Social Network Analysis**

History of social network research, general trends in the field of social network study, patterns of networks, basics of graph theory.

- **Basic Network Concepts**

Network terminology, sociological questions and relationships, patterns and distributions, roles and positions.

- **Analysis I**

Complete network, local network and relations through associations.

- **Analysis II**

Sentiments and friendship, balance theory, structural balance, social capital, small world problem.

- **Social Frameworks I**

Traditional network and kinship relationship, reciprocity, patron–client network, organizations and network, dark network.

- **Social Frameworks II**

Information, knowledge and network, social media and network.

Course Outcomes :

- Ability to collect, organize, design, and draw inferences from data with respect to a question using appropriate statistical methodology and problem-solving skill.
- Ability to read, interpret, and critically analyze journal articles directed at Ph.D. students.
- Arrange a sample survey for his/her own research purposes.
- Undertake univariate and bivariate statistical tests as appropriate.

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