

Discipline Specific Elective 22 (DSE-22): Economics of Education

Semester	Course title & Code	Credits	Duration (per week)			Eligibility Criteria	Prerequisite
			Lecture	Tutorial	Practical/ Practice		
VI/VIII	Economics of Education – ECON052	4	3	1	0	Class 12 th Pass	Introductory /Principles of Microeconomics

Learning Objectives

The Learning Objectives of this course are as follows:

- This course discusses the economic aspects of current issues in education, using both economic theory and econometric tools.
- Topics include discussion of basic human capital theory, production of education, costing and finance of education, the growing impact of education on earnings and earnings inequality, the labour market for teachers, implications of the introduction of technology (computers) on education, the effectiveness of mid-career training for adult workers, the roles of school choice, and educational outcomes and inequality in demand for education and educational outcomes.

Learning outcomes

The Learning outcomes of this course are as follows:

- This course will develop skills amongst the students to conduct research and analysis in the field of economics of education.

Syllabus

UNIT I: The Role of Education in Human Development (12 hours)

Macro issues in education, human capital theory, returns to education, signalling theory, education and labour market outcomes, costs and benefits of education, education production analysis and early childhood education.

UNIT II: Analysis of School Education (12 hours)

Challenges, educational interventions and attainments, financing, accountability and standards

UNIT III: Higher Education and Training (9 hours)

Issues of higher education in India, role of internship and apprenticeship in improving labour market outcomes

UNIT IV: Education and Inequality (12 hours)

Inequality in uptake and outcomes, and the role of affirmative action.

Recommended readings

- Bradley, S., & Green, C. (Eds.). (2020). *The Economics of Education: A Comprehensive Overview*.
- Lovenheim, M., & Turner, S. E. (2017). *Economics of education*. Macmillan Higher Education.
- Altinok, Nadir, and Geeta Kingdon. "New evidence on class size effects: A pupil fixed effects approach." *Oxford Bulletin of Economics and Statistics* 74, no. 2 (2012):203-234.

- Angrist, Joshua D., and Victor Lavy. "Using Maimonides' rule to estimate the effect of class size on scholastic achievement." *The Quarterly Journal of Economics* 114, no. 2 (1999):533-575
- Abhijit Banerjee, Shawn Cole, Esther Duflo, Leigh Linden. "Remedying Education: Evidence from Two Randomized Experiments in India", *Quarterly Journal of Economics*, 122, No. 3, Aug 2007, Pages 1235–1264.
- Hanushek, Eric A. "Assessing the effects of school resources on student performance: An update." *Educational evaluation and policy analysis* 19, no. 2 (1997a): 141-164.
- Hanushek, Eric A. "Outcomes, incentives, and beliefs: Reflections on analysis of the economics of schools." *Educational Evaluation and Policy Analysis* 19, no. 4 (1997b):301-308.
- Hattie, John. "The paradox of reducing class size and improving learning outcomes." *International journal of educational research* 43, no. 6 (2005):387-425.
- Hanushek, E. A., Machin, S. J., & Woessmann, L. (Eds.). (2016). *Handbook of the economics of education*. Elsevier.
- Ronald G., Ehrenberg and Robert S., Smith. *Modern Labor Economics: Theory and Public Policy*, 11th edition, Addison Wesley
- Hanushek, Eric A., 2005, *Economic Outcomes and School Quality*, International Academy of Education and International Institute for Educational Planning.
- Majumdar, M. (2017). Access, success, and excess: Debating shadow education in India. In *Routledge Handbook of Education in India* (pp. 273-284). Routledge India.
- Blatchford, P., & Mortimore, P. (1994). The issue of class size for young children in schools: What can we learn from research?. *Oxford review of education*, 20(4), 411-428.
- Kingdon, G. G., & Teal, F. (2007). Does performance related pay for teachers improve student performance? Some evidence from India. *Economics of Education Review*, 26(4), 473-486.
- Kingdon, G. G. (2020). The private schooling phenomenon in India: A review. *The Journal of Development Studies*, 56(10), 1795-1817.
- Varughese, A. R., & Bairagya, I. (2021). Interstate variation in household spending on education in India: Does it influence educational status?. *Structural Change and Economic Dynamics*, 59, 405-415.
- Haveman, R., & Smeeding, T. (2006). The role of higher education in social mobility. *The Future of children*, 125-150.
- Afridi, F., Barooah, B., & Somanathan, R. (2020). Designing effective transfers: Lessons from India's school meal program. *Review of Development Economics*, 24(1), 45-61.
- Singh, A., Park, A., & Dercon, S. (2014). School meals as a safety net: an evaluation of the midday meal scheme in India. *Economic Development and Cultural Change*, 62(2), 275-306.
- Afridi, F., Barooah, B., & Somanathan, R. (2020). Improving learning outcomes through information provision: Experimental evidence from Indian villages. *Journal of Development Economics*, 146, 102276.
- Banerjee, A. V., Cole, S., Duflo, E., & Linden, L. (2007). Remedying education: Evidence from two randomized experiments in India. *The Quarterly Journal of Economics*, 122(3), 1235-1264.
- Coate, Stephen, and Glenn C. Loury (1993) 'Will Affirmative Action Policies Eliminate Negative Stereotypes.' *American Economic Review* 83(5), 1220–1240
- Cullen, Julie Berry, Brian A Jacob, and Steven Levitt (2006) 'The effect of school choice on participants: Evidence from randomized lotteries.' *Econometrica* 74(5), 1191–1230
- Kingdon, G. G. (2007). The progress of school education in India. *Oxford Review of Economic Policy*, 23(2), 168-195
- Barooah, V. K. (2012). Social identity and educational attainment: the role of caste and religion in explaining differences between children in India. *Journal of Development Studies*, 48(7), 887-903.
- Chin, A. (2005). Can redistributing teachers across schools raise educational attainment? Evidence from Operation Blackboard in India. *Journal of development Economics*, 78(2), 384-405.
- Ghosh, P., & Bray, M. (2018). Credentialism and demand for private supplementary tutoring: A comparative study of students following two Examination boards in India. *International Journal of Comparative Education and Development*.
- Gandhi Kingdon, G. (2002). The gender gap in educational attainment in India: How much can be explained?. *Journal of Development Studies*, 39(2), 25-53.
- Azam, M., & Kingdon, G. G. (2013). Are girls the fairer sex in India? Revisiting intra-household allocation of education expenditure. *World Development*, 42, 143- 164.

- Asadullah, M. N. (2005). The effect of class size on student achievement: Evidence from Bangladesh. *Applied Economics Letters*, 12(4),217-221.
- Tholen, G., Brown, P., Power, S., &Allouch, A. (2013). The role of networks and connections in educational elites' labour market entrance. *Research in Social Stratification and Mobility*, 34,142-154.
- Silva, P., Lopes, B., Costa, M., Melo, A. I., Dias, G. P., Brito, E., & Seabra, D. (2018). The million-dollar question: can internships boost employment?.*StudiesinHigher Education*, 43(1),2-21.
- Wright, E., &Mulvey, B. (2021). Internships and the graduate labour market: how upper-middle-class students 'get ahead'. *British Journal of Sociology of Education*, 42(3),339-356.
- Deshpande, A. (2005). Affirmative action in India and the UnitedStates.

Note: Examination scheme and mode shall be as prescribed by the Examination Branch, University of Delhi, from time to time.