

DEPARTMENT OF ECONOMICS
DELHI SCHOOL OF ECONOMICS



HANDBOOK OF INFORMATION

M.A. in Economics

2019



UNIVERSITY OF DELHI
DELHI-110007

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IMPORTANT INFORMATION

1. Registration for admission to all post-graduate courses of the University of Delhi (including M.A. Economics at the Department of Economics, Delhi School of Economics) is carried out on-line by the University according to rules and procedures described in the University's Bulletin of Information, which should be read carefully before filling the on-line application form. Details are available at <http://www.du.ac.in/adm2019/postgraduate.html>. The last date for registration is **17th June 2019**. Applicants are responsible for regularly checking the portal for any updates. Further information on Delhi University is available at www.du.ac.in.
2. This Handbook provides additional information for candidates intending to apply for the M.A. in Economics. Information about the admissions procedure for M.Phil./Ph.D. will be posted on the University website and also the Department website at www.econdse.org. **Information about the syllabus of the Entrance Test for admission to the M.A. in Economics is given in section 2 below.**
3. For information about the application process, or the date, time and venues of the Entrance Test, and declaration of results, please consult <http://www.du.ac.in/adm2019/postgraduate.html>. Questions should be addressed to the helpline number/email address listed on the portal. **The Department of Economics has no role to play in this process.**

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Delhi School of Economics**

Office Hours 9:00 a.m. to 5:30 p.m.
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1. INTRODUCTION

Our Past and Present

Reckoning from the appointment of V.K.R.V. Rao as Professor in 1942, the Department of Economics of the Delhi School of Economics is one of the oldest departments of the University of Delhi. The Delhi School of Economics was set up in 1949 as an institution for advanced studies and research in economics, on the initiative of the Founder-Director Professor Rao, with Prime Minister Jawaharlal Nehru as its President. Since then, the Department has been at the forefront of post-graduate teaching and research in economics. At present, it is one of the three constituent departments of the Delhi School of Economics, the other two being Geography and Sociology.

The Department of Economics (henceforth, the Department) supports Masters, M.Phil. and Doctoral programmes in Economics, which draw a huge number of applicants from all over the country and many from abroad. These programmes have a strong theoretical and quantitative focus with an emphasis on empirical applications. Their hallmark is the dynamic curriculum offered, which is continuously reviewed and updated in line with the latest developments in the subject.

The Department is proud of its many past faculty members who have made significant contributions to the economics discipline. Foremost among these are the first three Heads of the Department, V.K.R.V. Rao, B.N. Ganguli and K.N. Raj, who went on to become Vice Chancellors of Delhi University. The foundations they laid down were built upon by their successors, K.A. Naqvi, Sukhamoy Chakravarty, A.L. Nagar, Mrinal Datta Chaudhuri, Dharma Kumar, K.L. Krishna, S.B. Gupta, Suresh D. Tendulkar, Om Prakash, Badal Mukhopadhyay, V. N. Pandit, K. Sundaram, Pulin B. Nayak, Partha Sen, Santosh C. Panda, B. L. Pandit and Pami Dua. Other distinguished scholars who have served on the faculty include Pranab Bardhan, Kaushik Basu, Jagdish Bhagwati, Bhaskar Dutta, Raj Krishna, Prasanta Pattanaik, Tapan Raychaudhuri, Sanjay Subrahmanyam, and Nobel laureate Amartya Sen. Many of them were nominated as Fellows of the Econometric Society, a much coveted honour in the field of Economics, making them members of a very prestigious international body of scholars.

The Department is also proud of its numerous alumni who have gone on to distinguished academic careers, including many Fellows of the Econometric Society such as Dilip Abreu, Bhaskar Dutta, Gita Gopinath, Vijay Krishna, Tapan Mitra, Dilip Mookherjee and Arunava Sen (who was also awarded the prestigious Infosys Prize). Department alumni can be found in most major Economics, Business and Public Policy departments worldwide, very often as members of the faculty, and even more commonly, as doctoral students.

Apart from purely academic distinctions, members of the Department have contributed to the task of institution-building in various capacities. The founder, Professor Rao, went on to become the Vice Chancellor of Delhi University, served as the Education minister in the central

government, and also founded other important academic institutions. Another former member of the Department, Professor Manmohan Singh, served as Governor of the Reserve Bank of India, Finance Minister and later Prime Minister of India. Numerous other members of the Department, including K.N. Raj, Raj Krishna, P.N. Dhar, Sukhamoy Chakravarty, Suresh Tendulkar, Kaushik Basu and T.C.A. Anant served the nation as high-level economic officials or advisers to the government and international bodies, as members of the Planning Commission, and as regulators or members of important government Commissions and committees. Others have served as public intellectuals and as public-spirited activists.

While the Department's alumni have traditionally found jobs and attained considerable eminence in academia, the civil services, NGOs, international organizations and the media, the number of alumni in finance, consultancy and other areas of the private sector has grown manifold in the past two decades. Further details about recent placements are given below.

In 1965, the Department was the first economics department in the country to be recognized by the University Grants Commission as a Centre for Advanced Studies, a distinction that it continues to hold to the present day. The present Department is building on this evolving tradition and continues to perform the functions of academic research, teaching and public service. Current faculty have published their research in leading Indian and international professional journals, and have won prestigious international and Indian awards and fellowships. Their specializations span a wide range of areas in economics (see <http://econodse.org/faculty-3/>). For many years, the Department has been ranked the highest amongst university economics departments in India by RePEc (Research Papers in Economics), a global electronic archive of working papers and publications in Economics and Finance (<http://ideas.repec.org/top/top.india.html>). Apart from pursuing their individual research programmes, several members of the faculty also serve on committees of various government departments and public sector organizations, and on the governing bodies or academic councils of important academic institutions.

Looking Outward

The Department maintains a lively interaction with the Indian and international economics profession. Over the years, it has hosted a long list of distinguished scholars as visitors and speakers, including Nobel laureates such as Jan Tinbergen, John Hicks, Kenneth Arrow, Milton Friedman, James Tobin, Lawrence Klein, Amartya Sen, John Nash, Eric Maskin, Thomas Sargent, Joseph Stiglitz, and Angus Deaton. Other distinguished visitors and speakers over the years have included Michael Kalecki, Maurice Dobb, Nicholas Kaldor, Joan Robinson, Jagdish Bhagwati, T.N. Srinivasan, Ian Little, Harry Johnson, Robert Baldwin, I.G. Patel, William Baumol, Nicholas Stern, Bela Balassa, Lance Taylor, Ronald Jones, Anne Krueger, Edmond Malinvaud, Jacques Dreze, Zvi Griliches, Hugo Sonnenschein, Oliver Hart, Debraj Ray, and in more recent years, Pranab Bardhan, Partha Dasgupta and Hal Varian. Key policy makers

such as Montek Ahluwalia, Kaushik Basu, C. Rangarajan, Y.V. Reddy, Arvind Subramanian and Viral Acharya have also spoken at the DSE in recent years.

Conferences, workshops and seminars are important fora for the Department's research engagement with the economics profession at large. Members of the Department actively engage in such interactions, and also organize events, including an active weekly seminar series that attracts speakers from around the world. Another regular event is the annual Winter School, which brings in distinguished scholars from India and abroad to give a set of expository lectures on frontier areas of research, and to interact with young research scholars in a workshop-style setting. The list of distinguished invited speakers for the Winter School in recent years includes (apart from some of those named above): Ken Binmore, John Moore, Herve Moulin, Nobuhiro Kiyotaki, Andrew Chesher, Esther Duflo, Abhijit Banerjee, Maitreesh Ghatak, William Thomson, Charles Manski, John Roemer, Dilip Abreu, Janet Currie, Andrew Foster, Bina Agarwal, Scott Taylor, Mukesh Eswaran, Imran Rasul, Stephen Morris, Ariel Rubinstein, Glenn Loury, Gita Gopinath, Avinash Dixit, Sanjeev Goyal, Jorgen Weibull, Timothy van Zandt, Manuel Arellano, John Leahy, George Mailath, and Christopher Udry.

The Department organized the Asian Meetings of the (International) Econometric Society in 2012. It also organized a conference on '*Indian Economy: Issues and Perspectives*' in 2013, as part of the golden jubilee celebrations of The Indian Econometric Society (TIES), the pre-eminent economics society in India. A special conference was organized in 2017 to felicitate Kaushik Basu on his 65th birthday. Distinguished speakers included Avinash Dixit, Joseph Stiglitz, and Manmohan Singh. In 2018, the Department hosted the prestigious Asia-Pacific Innovation Conference, which was held in India for the first time.

Our Journal and Working Papers

The Department houses a highly-regarded biannual journal, the *Indian Economic Review*, now published by Springer, which publishes peer-reviewed scholarly articles in diverse areas of economics. Over the years, it has featured the work of leading economists including several Nobel laureates. Past contributors to IER include George Akerlof, Pranab Bardhan, Kaushik Basu, William Baumol, Jagdish Bhagwati, Sukhamoy Chakravarty, Mrinal Datta Chaudhuri, Harry Johnson, James Mirrlees, Lawrence Klein, Kala Krishna, Anne Krueger, A.L. Nagar, William Nordhaus, Prasanta Pattanaik, K.N. Raj, Joan Robinson, Amartya Sen, T.N. Srinivasan, Nicholas Stern, Suresh Tendulkar, Jan Tinbergen, James Tobin, Stephen Turnovsky, Thomas Weisskopf, to name a few. Past issues of the journal are available at JSTOR ([jstor.org](http://www.jstor.org)). The Department also runs a Working Paper series that publishes the research of its faculty members and visitors.

Infrastructure, Library, and Computing Facilities

Teaching and research in the Department are supported by excellent infrastructure, computing facilities and a well-stocked library. The main lecture theatre as well as all classrooms are air-conditioned and equipped with audio-visual facilities. In 2017, the lecture theatre was interconnected to two other classrooms with an enhanced two-way interactive audio-visual system. The Ratan Tata Library houses one of the best collections in economics and related social disciplines. It has a collection of about 333,000 books and bound journals, and subscribes to more than 230 academic journals. Many more journals are accessible on-line from the Delhi University Library System (DULS) from terminals in the library as well as in the Department's computer labs. (See Section 3 below for more information on the RTL.)

The Department has separate computer labs for Master's and research students. The labs have about 36 latest quad-core i7 based desktops. Here students receive training in data analysis and economic modeling using specialized econometric packages such as STATA, Mathematica, Scientific Workplace, E-views, Shazam, Microfit, Gauss, RATS (Real Analysis of Time Series), NLOGIT, Rstudio, etc. Students have access to high-speed internet through these desktops to aid their research. The computer lab also provides printing facilities to research students through a network printer. Computer labs provide access to various offline and online databases such as NSSO (National Sample Survey Organization), NFHS (National Family Health Survey), Census data, ASI (Annual Survey of Industries), NAS (National Accounts Statistics), CMIE Prowess database on companies, EPW Research Foundation Indian Time Series, indiastat.com etc. Online access to journal archives such as jstor.org, sciencedirect.com, etc. is also available to students through Delhi University's internet. Laptops are made available to students for presentations. The entire building is Wi-Fi enabled so that students can use their own laptops to access the internet.

The Department website (econodse.org) provides information about faculty specializations and research; admissions procedures; recommended readings for courses; notices for upcoming seminars, Conferences, Working Papers and Public Lectures; and links to useful academic websites. The Department's website is an important source of interaction between the Department and the students. The website is based on Wordpress CMS (Content Management System) and is actively updated on a daily basis. Faculty can post and update the information on the website themselves. Here students have online access to the course material, lecture slides, and weekly seminar announcements. Course-wise folders, containing course material, are also accessible from each desktop through a network drive hosted on a powerful in-house server. A separate study room for research students has been recently refurbished, with air conditioning, connectivity to the central LAN and Wi-Fi access, and a dedicated printer.

Student Placements

The Department has developed a well-deserved reputation for producing high quality, well-

trained and extremely motivated students, many of whom go on to get their doctorates at the top universities around the world. Over the past decade or so, our students got admission offers with fellowships from Princeton, Stanford, Yale, New York University, Columbia, Harvard (Kennedy School), Boston, Minnesota, Oxford, Michigan State, British Columbia, Washington Seattle, Georgetown, Toulouse, Warwick, Brown, Cornell, Wisconsin-Madison, Maryland, Pennsylvania State University, Indiana and Washington St. Louis, among others.

The Department also has a placement programme, organized by the DSE-Economics Placement Cell, that successfully places students in attractive corporate jobs and summer internships. Since its inception in 1998, the Placement Cell has been committed to widening the options available to students in terms of careers and in enabling them to make informed choices regarding these options. A wide range of profiles are offered on campus comprising Business Analytics, Risk Advisory, Marketing and Sales, Management Consulting, Investment Banking, Macroeconomic and Statistical Modelling and Forecasting and Media & Publishing, both for summer internships and final placements. Recruiters on campus have included Reliance Industries, JP Morgan Chase & Co., Nomura, Goldman Sachs, Credit Suisse, Bajaj Finserv, American Express, Samsung, Wells Fargo, D.E. Shaw & Co., CitiBank, CitiCorp, Proctor and Gamble, PayPal, Kotak Mahindra Bank, Accenture, ANZ Group, Amazon, HDFC Bank, IDFC First Bank, EXL Analytics, Experian, ICICI Bank, Royal Bank of Scotland, Barclays, EXIM Bank, PwC DIAC, Deloitte, Munich Re, Mastercard, Brillio, JM Financial, Optum- United Health Group, Moody's Analytics, Piramal, Ernst & Young, Hindustan Times, Bennett Coleman & Co., FICO and others.

The Placement Cell goes beyond traditional placement activities to create opportunities for the growth of students through interactive sessions and workshops such as those for resume building, software training in R, MS Office etc., improving interviewing skills, and understanding various career options. In 2012, the Cell started a Mentorship Programme to help the incoming M.A. students to perform well during the placement season in addition to coping with the demands of their academic schedule.

Please visit <http://dsebottomline.com> for more information.

2. M.A. IN ECONOMICS

The Department offers a Master of Arts (M.A.) programme in Economics, which reflects new developments in the discipline. The curriculum has a strong theoretical and quantitative focus with all students being trained in the use of computers and statistical software that they find useful in their professional careers in academia, research institutions, government, and industry. The M.A. programme is semester-based and includes a large number of elective courses which allows students to pursue their varied interests and to specialize in their fields of choice.

Academic Calendar

The Academic Calendar for the M.A. Economics programme for 2019-20 will be as per the University Calendar, according to which classes will start on 22nd July 2019.

Course Structure

The M.A. in Economics is a two-year full-time programme with each year comprising the summer and winter semesters. It consists of fifteen courses, of which six are compulsory core courses and nine are elective/optional courses. Every student is required to complete the programme within a span period of four years of initial admission. **The medium of instruction and evaluation is English.** Please note that the M.A. syllabus is under revision, and a new syllabus may be adopted for the academic year 2019-20.

Courses are taken in the following sequence:

Semester I:	Microeconomic Theory (001) Introductory Mathematical Economics (002) Introductory Econometrics (003)
Semester II:	Macroeconomic Theory (004) Introduction to Game Theory (005) Economic Development & Policy in India (006) One optional paper
Semester III:	Four optional papers
Semester IV:	Four optional papers

Elective/optional courses listed below are grouped into nine categories, including a “General” category. Only some of the listed courses will be offered. A student’s choice of elective courses in each semester will be limited to those announced by the Department at the beginning of that semester. Each student is required to finalize his/her choice of the elective courses within two weeks of the start of each semester. Because of infrastructural requirements the Department may put a cap on the number of students in an elective course. In particular, econometrics optional courses 401 to 409 and 504 may require a minimum level of performance in compulsory course 003.

1. Microeconomics

- 101 Mathematical Economics
- 102 General Equilibrium Theory
- 103 Game Theory I
- 104 Game Theory II
- 105 Economics of Uncertainty
- 106 Topics in Economic Theory
- 107 Choice Theory
- 108 Social Choice Theory
- 109 International Trade

2. Macroeconomics

- 201 Income, Employment and Fluctuations
- 202 Dynamic Macroeconomics
- 203 Open Economy Macroeconomics
- 204 Monetary Theory and Policy
- 205 Topics in Macroeconomic Theory
- 206 Empirical Macroeconomics

3. Economic History

- 301 India and the Early Modern International Economy
- 302 Labour Markets in Historical Perspective
- 303 International Financial System, 1850-1975
- 304 Indian Business and Entrepreneurial History
- 305 Industrial Organization in Historical Perspective
- 306 Contemporary Issues in Historical Perspective
- 307 Topics in Economic and Social History, 1700-1975

4. Econometric Methods and Applications

- 401 Econometric Methods
- 402 Applied Multivariate Statistics
- 403 Time Series Analysis
- 404 Forecasting Methods and Applications
- 405 Applied Production Analysis
- 406 Applied Consumption Analysis
- 407 Structural Modelling for Policy Analysis
- 408 Topics in Econometrics
- 409 Applied Environmental Economics

5. Finance: Theory, Institutions and Modelling

- 501 Corporate Finance
- 502 Financial Theory

- 503 Financial Markets
- 504 Econometrics of Financial Markets

6. Public Policy: Theory and Institutions

- 601 Public Economics I
- 602 Public Economics II
- 603 Environmental Economics
- 604 Law and Economics
- 605 Resource Economics
- 606 Energy Economics
- 607 Applied Welfare Economics
- 608 Economics of Regulation
- 609 Climate Change Economics

7. Development Economics

- 701 Population and Development
- 702 Economics of Education and Health
- 703 Labour Economics
- 704 Trade and Development
- 705 Environment and Development
- 706 Macroeconomic Management in Developing Countries
- 707 Topics in Development Economics
- 708 India in the World Economy
- 709 Transport, Location and Infrastructure
- 710 Comparative Development

8. Industrial and Agricultural Economics

- 801 Industrial Organization
- 802 Industrial Economy of India
- 803 Economic Theory of the Firm
- 804 Indian Agriculture: Incentives and Decision-making
- 805 Indian Agriculture: Markets, Institutions and Technology
- 806 Topics in Agricultural Economics

9. General

- 901 Ethics and Economics
- 902 Issues in Economic Systems and Institutions
- 903 Issues in the History of Economic Analysis
- 904 Economics of Discrimination
- 905 Political Economics

In addition to the elective courses listed above, a student may also opt for a Dissertation Course (Course 999) if announced by the Department. This is a two-semester elective course which

starts in the summer semester of the second year. Each of these courses, except the dissertation course, carries 100 marks. The dissertation course, which is the equivalent of two courses, carries 200 marks.

Evaluation

Examinations in all courses, except the dissertation course, will be held semester-wise. A student can appear for an exam only in the semester in which the examination for that course is announced by the Department. The examination for the dissertation course, comprising an evaluation by a board of examiners and a viva-voce, will be held only once a year, along with the examinations for the Winter-Semester of the second year.

In the case of all elective courses, except the dissertation course, evaluation will be done by the instructor(s) in the concerned course with a provision for reevaluation of the final examination. Unless otherwise specified, the division of marks will be 30 marks for internal evaluation and 70 marks for a written final examination. Courses 003, 401 through 409 and 504 on econometric methods and applications will carry 50 marks for internal evaluation and 50 marks for the final written examination. Internal evaluation may be based on a combination of midterm exams, term-papers, lab assignments and class attendance and class participation. The weights assigned to these components will be specified by the instructor at the beginning of the course. In all the courses, the internal assessment requirements begin from the first day of classes, and these requirements must be met as scheduled by the instructor. **Note that once awarded, internal assessment marks cannot be improved, even if the student re-appears for the end-semester examination of that course.**

In the case of the Dissertation Course, 60 marks (out of the total of 200 marks) are reserved for *viva-voce* by a Board of Examiners, with the balance 140 marks for evaluation of the thesis.

Span Period, Promotion Criteria, Pass Rules and Award of Degree

NOTE: The following rules are subject to changes in the Delhi University Ordinances.

Span Period

The span period of the M.A. programme is four years from the date of (first) registration.

Promotion Criteria, Pass Rules

- (a) The minimum marks required to pass a paper in any semester shall be 40%. The student must secure 40% in the End Semester Examination AND 40% in the total of End Semester Examination and Internal Assessment of the paper.
- (b) No student will be detained in Semester I or in Semester III on the basis of his/her performance in these semesters. In other words, the student will be automatically promoted from Semester I to Semester II, and from Semester III to Semester IV.
- (c) A student shall be eligible for promotion from 1st year (Part I) to 2nd year (Part II) of

the programme provided he/she passes 50% of the papers of Semesters I and II taken together. However, he/she will have to clear the remaining paper(s) while studying in the 2nd year of the programme (Semesters III and IV).

- (d) Students who do not fulfill the promotion criteria listed in clause (c) above shall be declared Fail in the Part concerned. However, they shall have the option to retain the marks in the papers in which they have secured Pass marks as per clause (a) above.
- (e) A student who has to reappear in a paper prescribed for Semester I/III may do so only in the odd semester examinations to be held in November/December. A student who has to reappear in a paper prescribed for Semester II/IV may do so only in the even semester examinations to be held in April/May.

Note: If a student is not eligible for appearing in Semester I examinations for any reason, he/she will not be eligible for admission to Semester II and will have to apply for readmission to Semester I.

Reappearance in passed papers

- (a) A student may reappear in any theory paper prescribed for a semester, on foregoing, in writing, her/his previous performance in the paper(s) concerned. This can be done only in the immediate subsequent semester (for example, a student reappearing in a paper prescribed for Semester I, may do so only in the immediate next Semester III examination).
- (b) A student who has passed all the papers of Part II (Semesters III and IV) may reappear for improvement in any paper(s) of Semesters III and/or IV at the immediate subsequent Semesters III and/or IV examinations, respectively. The student may do so on foregoing, in writing, his/her previous performance in the paper(s) concerned, within the prescribed span period.

(Note: The candidates of this category will not be eligible to join any higher course of study)

- (c) In the case of reappearance in a paper, the result will be prepared on the basis of candidate's current performance in the examination.
- (d) In the case of a candidate who opts to re-appear in any paper(s) under the aforesaid provisions, on surrendering her/his earlier performance, but fails to re-appear in the paper(s) concerned, the marks previously secured by the candidate in the paper(s) in which she/he has failed to re-appear shall be taken into account while determining her/his result of the examination held currently.
- (e) Reappearance in practical examinations, dissertation, project and field work shall not be allowed.
- (f) A student who reappears in a paper shall carry forward the internal assessment marks originally awarded.

No candidate who has once chosen to reappear in certain courses of a semester will be allowed to reappear in the remaining courses of that semester at a later examination. Note that all exams must be completed within the four year span period.

Award of Degree

Candidates who qualify for the award of the degree shall be classified as follows:

First Division	60% or more marks in the aggregate
Second Division	50% or more marks in the aggregate but less than 60%
Third Division	40% or more marks in the aggregate but less than 50%

Applications, with prescribed fees, for revaluation or re-checking of examination scripts will be entertained according to University rules.

Admission Rules (for admission to M.A. Economics, 2019-20)

- All applicants **MUST** register and pay application fees on the University's PG admission portal <http://www.du.ac.in/adm2019/postgraduate.html>. Detailed instructions on how to fill the application form are available on the portal and in the University's Bulletin of Information which can be downloaded from the same website.
- As per University guidelines, 50% of seats are earmarked for direct admission of students who have graduated with B.A. Economics (Hons) of the University of Delhi, subject to eligibility conditions and in order of merit in the respective categories. The remaining 50% will be filled through an Entrance Test. Reservations/concessions will apply separately for both modes of admissions. All applicants are required to register online, irrespective of the mode of intake.
- **Students of B.A. Economics (Hons) of the University of Delhi will be considered for Direct/Merit mode of admissions if they opt for it at the time of registration. However, they are advised in their own interest to opt for the Entrance Test as well.**
- **The minimum qualifying marks in the Entrance Test will be 40% (General category) and 36% (OBC category).**
- **Shortlisting of students for scholarships will be done on the basis of the Entrance Test only.**
- The date, time and venue of the Entrance Test will be announced on the University's PG admissions portal, and the Admit Card will be downloaded from the online registration account generated on the same portal. Any queries should be addressed to the helpline numbers/email address given on the portal. **The Department of Economics will not be in a position to answer questions in this regard.**
- Applicants are responsible for regularly checking the University admissions portal for any updates. In particular, after the closing date for registration, the portal may be reopened for a few days in order to allow candidates to upload the results of their qualifying degree, in case it is not declared at the time they submit the application form. However, it is the applicant's responsibility to keep checking the portal for this purpose. For Direct/Merit Category admissions, the applicants shall be considered in the Admission List only if their Qualifying Examination results are updated on the PG Admission Portal after portal re-opening.

Eligibility Conditions

A. Indian Students (General Category)

Direct/Merit Mode: At least 60% or equivalent CGPA in the aggregate of the B.A. Economics (Hons) of the University of Delhi.

Entrance Test Mode: At least 60% or First Division or equivalent CGPA in any Graduate/Post-graduate degree in any subject from the University of Delhi or any Indian University recognized by the University of Delhi.

Relaxations/concessions for categories other than the General Category are laid down in the Information Bulletin of Delhi University.

B. Foreign Students

Although the University does not require foreign students to take the entrance test, foreign nationals are advised to either take the Department's entrance test, or to submit their GRE Scores along with recommendations from two academic referees, in order for the Department to evaluate their suitability for the M.A. programme. Those who choose to take the entrance test must apply on the prescribed on-line form by the due date. Those who do not wish to take the entrance test should familiarize themselves with the material covered in the textbooks recommended for the entrance test (listed below), so as to ensure that they have the aptitude for the M.A. courses offered by the Department. In particular, they should be aware that the M.A. programme requires a high level of mathematical competence. No matter which option they choose, all foreign nationals must route their applications through:

FOREIGN STUDENTS' REGISTRY OFFICE

Room No. 11, First Floor,
Conference Centre,
University of Delhi,
Delhi-110007

Phone No: 011-27666756

Website: <http://fsr.du.ac.in/>

E-mail: fsr_du@yahoo.com, fsr@du.ac.in

Dealing Timings: 09.30 am - 1 pm & 2.00 pm - 5.00 pm

(Office will remain closed on Saturdays, Sundays and all Public/ Gazetted Holidays)

M.A. Admission-cum-Scholarship Test/Entrance Exam

Candidates are expected to be familiar with the material contained in the current B.A. (Honours) Economics programme of the University of Delhi. The Entrance Examination will test the candidates' ability to understand and apply concepts in four basic areas in Economics: (a) microeconomic theory, (b) macroeconomic theory, (c) mathematical techniques used by economists, and (d) probability, statistics and elementary econometrics. Apart from these, some general questions testing the reasoning and quantitative ability of the students may also be asked.

Some indicative, but not exhaustive, references that may be used to prepare for the examination are:

Sydsaeter, K. and Hammond, P. J., *Mathematics for Economic Analysis*, Pearson Education.

Devore, J.L., *Probability and Statistics for Engineers*, Cengage Learning, 2010.

Dougherty, Christopher, *Introduction to Econometrics*, 4th edition, OUP, Indian edition.

Gujarati, D. N. and D.C. Porter, *Essentials of Econometrics*, 4th ed, McGraw-Hill
International edn

Snyder, C. and W. Nicholson, *Fundamentals of Microeconomics*, Cengage Learning (India).

Varian, H., *Intermediate Microeconomics*, 2nd ed., Norton & Co., 2010.

Dornbusch, R., S. Fischer, and Startz, R., *Macroeconomics*, McGraw-Hill.
N. Gregory Mankiw, *Macroeconomics*, Worth Publishers, 6th edition, 2010.
Olivier Blanchard, *Macroeconomics*, Pearson Education, Inc., 5th edition, 2009.
Charles I. Jones, *Introduction to Economic Growth*, W.W. Norton & Company, 2nd edition, 2002.
William H. Branson, *Macroeconomic Theory and Policy*, East-West Press, 3rd edition, 2005.
Robert J. Gordon, *Macroeconomics*, 12th ed., Prentice-Hall India Limited.
Frederic Mishkin, *Macroeconomics: Policy & Practice*, Pearson, 2012.

The test will consist of multiple-choice questions only, with negative marking for wrong answers. Please consult the University's Bulletin of Information at <http://www.du.ac.in/adm2019/postgraduate.html> for detailed instructions on appearing in the entrance examination. Calculators will not be allowed.

For the benefit of the candidates, the entrance test papers for earlier years are available on our web page: <http://www.econdse.org> under 'Admissions'. However, the format and weightage of the different sections of the test may change from year to year. No queries on the test paper will be entertained.

Admission Procedure

Separate merit lists will be put up for the reserved and general categories to be admitted through the Entrance Test and through Direct Admissions. Admission procedure will be as per the Bulletin of Information at <http://www.du.ac.in/adm2019/postgraduate.html>. Admission of students to the course will be provisional and will be confirmed by the Admission Committee of the University only after verification of the original certificates.

After being selected for the M.A. Economics programme, students may enroll themselves either in the Department of Economics at the Delhi School of Economics, or in any of the colleges of the University of Delhi that are willing to register them. No specific quotas are assigned in colleges for students of M.A. Economics.

Note that all lectures and tutorials are held in the Department of Economics, Delhi School of Economics irrespective of where the student is enrolled.

Fee Structure: M.A. Economics

- A. Students registered directly in the Delhi School of Economics are required to pay the following fees/annual charges (subject to revision):

Fee	Rupees	p.a./p.m.
Tuition Fee (RS18 per month from May to April)	216.00	p.a.
Admission Fee	240.00	p.a.
University Enrollment Fee	150.00	p.a.
University Development Fee	600.00	p.a.
University Annual Charges	8.00	p.a.
Library Fee	6.00	p.a.
Identity Card	10.00	p.a.
Athletics Fee	50.00	p.a.
W.U.S. Health Centre Fee	120.00	p.a.
Student's Union Fee	125.00	p.a.
Library Deposit (Refundable)	1000.00	p.a.
Cultural Fee	10.00	p.a.
DSE Amenities Fund	100.00	p.a.
Library Development Fee	200.00	p.a.
Computer Fee*	3000.00	p.a.
DSE Development Fee	500.00	p.a.
DSE Library Services Fee	1000.00	p.a.
N.S.S. Fund	20.00	p.a.
Prevention of Sexual Harassment Fund	10.00	p.a.

- B. For students registered in colleges, the following annual fees will be collected in the colleges (apart from the respective college charges and tuition fees):

Computer fee*	3000.00
DSE Development Fee	500.00
DSE Library services fee	1000.00

* To alleviate the financial hardship of the needy students, the above fees may be fully or partially waived, as per the assessment of a departmental committee. Needy students should submit an application for full/partial waiver for the computer fee. This application must be accompanied by a statement of circumstances, and a certificate of proof of the annual family income.

Tuition fees from May to August and annual charges are payable on the day of admission. Other dues are payable in advance on or before the 10th of the month for which they are due.

Fees may be revised from time to time as per the University decision.

General Discipline

Subject to the control and general regulation of the Academic Council, the instruction and routine in M.A Economics shall be under the direction of the Dean, Faculty of Social Science, and the Head of the Department.

Except with respect to his/her work in the programme, each student shall remain under the control and discipline of his/her own college/institution. For example, a student expelled from his/her college is automatically expelled from the programme.

Scholarships

The students joining the M.A. course in Economics can compete, on the basis of their performance in the Entrance Test, for a number of scholarships awarded every year. Prominent among these are:

Dr. Manmohan Singh Fellowship of Rs. 5000/- per month plus a book grant of Rs.7500/- per annum; **Exim Bank Scholarship** of Rs. 5000/- per month; **Prof. Suresh D. Tendulkar Memorial Scholarship** of Rs. 2000/- per month; **A.N. Ram scholarship** of Rs1200/- per month; **Mrs. Elizabeth Krishna Scholarship** of Rs. 500/-per month; **Merit Scholarship** of Rs. 400/- per month and **Smt. Shanti Sharma Memorial Scholarship** of Rs. 500/- per month.

All scholarships are awarded on the basis of merit. Those awarded in the first year of the course are renewed in the second year subject to satisfactory performance. Four of the National Scholarships are reserved for students who have graduated from universities other than the University of Delhi. The details of some of the scholarships are given below:

Sr. No.	Name of the Scholarship	Year in which Awarded	Duration of award	Value (per-month)	Number
1	Dr. Manmohan Singh Fellowship	M.A. (P)	Two years	10,000.00 plus book grant	1
2	Exim Bank Scholarship	M.A. (F)	One year	5000.00	3
3	Prof. Suresh D. Tendulkar Scholarship	M.A. (P) & (F)	One Year	2000.00	2
4	A.N. Ram Scholarship*	M.A. (P)	Two years	1200.00	1
5	Merit Scholarship	M.A. (P)	One year	400.00	4
6	Merit Scholarship	M.A. (F)	One year	400.00	4

7	Smt. Shanti Sharma Memorial Scholarship	M.A. (P)	Two years	500.00	1
8	National (CAS) Scholarship	M.A. (P)	Two years	250. 00	8
9	Prof. Balvir & Ranjana Singh Memorial Scholarship	M.A. (P)	Two years	230.00	1

The other scholarships offered by the Department are as follows. The exact values of these scholarships may vary according to the availability of funds.

10	Prof. Balvir & Ranjana Singh Memorial Scholarship	M.A. (F)	One year	-	1
11	Prof. K.A. Naqvi Memorial Scholarship	M.A. (P)	Two years	-	1
12	Alka Garg Memorial Scholarship**	M.A. (P)	Two years	-	1
13	Prof. Naqvi Memorial Scholarship	M.A. (F)	Ten months	-	1
14	Pradeep Gupta Memorial Scholarship***	M.A. (P)	Two years	-	1
15	Datia Darbar Endowment****	M.A. (P)	Two years	-	1

* awarded once in two years only to needy students whose parents do not pay income tax.

** awarded once in two years only to female students

*** awarded once in two years

**** awarded only to students from rural areas and once in two years.

3. RATAN TATA LIBRARY

The Ratan Tata Library of the Delhi School of Economics is one of the best-equipped libraries in Economics and allied fields.

The total collection comprises almost two lakh books and 1.33 lakh bound periodicals. Collection of Theses and Dissertations has grown to more than 1600 records. 232 current titles of journals are being subscribed in the library. The library has been designated as a repository of United Nations publications. It also has a fairly large and well-organized collection of State and Central Government publications.

Bibliographical records of the complete book collection are accessible through OPAC, including Web-OPAC via the Delhi University Library system portal.

A folder containing list of new books added to the collection every month has been placed in the main Reading Hall on ground floor for the information of esteemed users.

An e-Library has been providing facilities for accessing internet, e-resources & OPAC, including WEB-OPAC using 64 terminals and 2 high end servers.

For the differently-abled, two Computer terminals with proper software packages (Screen reader and NVDA) have been kept in the ground floor Main Reading Hall for accessing Internet, OPAC (online catalogue) and Electronic Resources.

The library has inter-library loan arrangement with libraries all over the country through DELNET to meet the research requirement of its research scholars and teachers. It has photocopying facilities available to its students, research scholars and faculty members.

The whole complex of the RTL is air-conditioned and under surveillance by means of CCTV.

The Users can access DULS/RTL website by clicking on Libraries on the webpage of DU accessing <http://www.du.ac.in>. The subscribed electronic resources can be accessed through URLs provided on the RTL website using DU Campus Network.

The Membership of the library is open to:

- a. Teachers, research scholars, students and non-teaching staff of the Delhi School of Economics;
- b. Teachers and post-graduate students of Economics, Commerce, Sociology, Geography of the University and its colleges.

There is a provision for consultation membership of the library for others wanting to use it for specific purposes.

4. HOSTEL ACCOMMODATION AND MEDICAL FACILITIES

Hostel Accommodation

A. Women

Apart from the other University hostels, there is a hostel exclusively for women students of the Delhi School of Economics called the Ambedkar-Ganguly Students' House for Women. The hostel is located in Dhaka Colony (near Mukherjee Nagar), and it is adjacent to a bus terminus. It is about 10 minutes by bus from the Department of Economics.

In addition, women students can also apply to the Meghdoot and the Post-Graduate Hostel for Women. Enquiry about the individual hostels should be made directly from the respective hostel offices.

B. Men

For male students several hostels of the University are situated on the University Campus. These are V.K.R.V. Rao Hostel, Gwyer Hall, Jubilee Hall, Mansarover Hostel, Post-graduate Men's Hostel, International Students House. Information regarding these may be obtained directly from the respective hostel offices.

Accommodation in the above-mentioned hostels is available for a limited number of women and men students of the School, viz., those who are admitted directly to the School as students of the M.A, M.Phil. and Ph.D. courses. Application for accommodation must be made in prescribed forms obtainable from the Provost, V.K.R.V. Rao Hostel, Provost, Gwyer Hall, the Master, Jubilee Hall, the Provost, Post-Graduate Men's Hostel, International Student House, Mansarover Hostel, Ambedkar-Ganguly Students' House for Women, Meghdoot, and Post-graduate Women's Hostel, University of Delhi, Delhi-110007. The application must be routed through the Head of the Department. However, an advance copy may be sent directly to the Hostel concerned. The merit list announced for admission to M.A. (Economics) will constitute the sole basis for admission to hostels.

Foreign students should contact the Foreign Students Advisor, Foreign Students Registry, University of Delhi, Delhi-110007 (Phone No: 011-27666756; E-mail : fsr_du@yahoo.com, akbasra@fsr.du.ac.in) for their hostel accommodation as well as admission to any of the courses at the Delhi School of Economics.

Medical Facilities

Facilities of the World University Service (W.U.S.) Health Centre of the University of Delhi will be available to students of the School.