

DEPARTMENT OF ECONOMICS
THE DELHI SCHOOL OF ECONOMICS



HANDBOOK OF INFORMATION

M.A., M. Phil. and Ph.D. in Economics
2011-2012

UNIVERSITY OF DELHI
DELHI-110007

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IMPORTANT INFORMATION

1. Please read the Handbook of Information carefully before filling the application form.
2. Incomplete Application forms will not be entertained.
3. The application forms for M.A./M.Phil./Ph.D. courses in Economics will be available from the office of the Department of Economics, Delhi School of Economics against **a demand draft of Rs. 500/- (for students belonging to General Category & non SC/ST Category) and Rs.300/- (for students belonging to SC/ST/PH category). The demand draft should be made from any nationalized bank drawn in favour of Registrar, University of Delhi, payable at Delhi from 16-May-2011 to 15-June-2011.**
4. Candidates seeking admission to the M.A./M.Phil. and Ph.D. courses must submit their completed registration form latest by **15th June 2011** to the Head, Department of Economics, Delhi School of Economics, University of Delhi, Delhi 110007. Applicants for the Ph.D. programme who do not require financial assistance have the option of not taking the entrance examination. They are required to submit a research proposal along with the application form by 15th June 2011.
5. After the deadline for receipt of application forms, application forms sent through Registered/ Speed Post or by any other means will not be accepted. Candidates are therefore advised to submit their application form at the earliest, instead of waiting for the last date.
6. **The Entrance Test for M.A., M.Phil. and Ph.D. courses will be held on Saturday, 25th June 2011 at the Delhi School of Economics. The test will be of 3 hours' duration, and will commence at 10 a.m.**

NOTE: In view of the large number of examinees, the candidates **MUST** reach the Delhi School of Economics at least **one hour** prior to the test, in order to know the Centre/Building allotted to them. The room allocation will be displayed at the Centre.

7. Refund of fees is not permissible in the case of those who are unable to appear in the test on the scheduled date and time.
8. Candidates must fill out and detach the admission ticket from the application form, and present it at the examination centre at 9.00 a.m. on **Saturday, 25th June 2011**. The photographs to be pasted on the application form and the admission ticket must be attested by a gazetted officer.

9. A short list of M.Phil. and Ph.D. candidates to be interviewed will be announced in the afternoon of **8th July, 2011**. The interviews will be held on **11th July 2011**.
10. The application form can also be downloaded from our website: <http://www.econdse.org>. The relevant procedure is given in detail in the website: click on the 'PROGRAMS' link and follow the instructions there. The hard copy of the downloaded application form should be sent **by post** to the department and this must be accompanied by a demand draft of Rs.500 for M.A., M.Phil. and Ph.D. For SC/ST/PH applicants, the relevant demand draft amount is Rs.300. The demand draft should be made from any nationalized bank and the draft should be prepared in favour of the Registrar, University of Delhi, and should be payable at Delhi.
11. Refer to the application number generated for any future correspondence

Office Hours	9:00 a.m. to 5:30 p.m. (Monday through Friday)
Telephones	
School Office	27667540 27667725 Ext. 1531
Department Office	27667725 Ext. 1535
Ratan Tata Library	27667688 27667725 Ext. 1671/1672
Centre for Development Economics (EPABX)	27667005, 27666533–35
Faculty Members (EPABX)	27667005, 27666533-35
Fax :	27667159
E-mail:	dept@econdse.org
Website:	www.econdse.org

INTRODUCTION

Our History

The Department of Economics is one of the oldest departments of the University of Delhi. In 1949, on the initiative of Professor V.K.R.V. Rao, the Delhi School of Economics was set up as an all-India institution for advanced studies and research in economics. Since then it has remained as one of the finest departments in the country in terms of teaching and research in the field of Economics.

The Delhi School counts numerous outstanding individuals who were associated with the institution in various capacities. The President of the Delhi School of Economics Society was Shri Jawaharlal Nehru, the then Prime Minister of India. Professor V.K.R.V. Rao, the Founder-Director, headed the School until 1957, and went on to serve the University as Vice Chancellor. Since its inception, the Department of Economics has been served by prominent academicians such as B.N. Ganguli, K.N. Raj, Sukhamoy Chakravarty, Amartya Sen (Nobel Laureate), Jagdish Bhagwati, Raj Krishna, and Prime Minister Manmohan Singh to name just a few.

The Department has had an impressive faculty ranging from a Nobel Laureate in Economics to national policy makers. The training received in this department has inspired generations of students to pursue academic goals and our alumni are spread across many of the most prestigious departments across the world.

Professor Amartya Sen, who received the Nobel Prize in Economics in 1998 was a member of our Faculty between 1963 and 1971. Most of his important contributions to Social Choice Theory including his book *Collective Choice and Social Welfare* were completed while he was here. Our Prime Minister, Professor Manmohan Singh was a Professor in the Department during 1969-71 and our founder Professor V.K.R.V. Rao was India's Education Minister in the seventies. Professor S.D. Tendulkar was a member of the Prime Minister's Economic Advisory Council, and also Chairman of the National Statistical Commission. Professor Kaushik Basu is the current Chief Economic Advisor in the Ministry of Finance, and Professor T.C.A. Anant is the Chief Statistician of India.

An Econometric Society Fellowship is a much coveted prize, signalling the recipient's entry into a very prestigious and exclusive group of international scholars. Seven former faculty members of the department have been honoured with this fellowship – namely, Amartya Sen, Jagdish Bhagwati, Sukhamoy Chakravarty, Prasanta Pattanaik, A.L. Nagar, Kaushik Basu and Bhaskar Dutta. Former students of the department such as Dilip Abreu, Vijay Krishna, Tapan Mitra, Dilip Mookherjee and Arunava Sen have also been honoured with this fellowship. Sukhamoy Chakravarty was the first to be honoured with the prestigious Nehru Chair at the University of Cambridge.

Apart from these contributions, several alumni have recorded significant achievements in many fields not directly associated with Economics. Our alumni continue to hold important positions in the government, the civil services, NGOs, international organisations (such as the World Bank, the IMF and the UN), the media, the private corporate sector and the Arts.

The current faculty specializations span a wide spectrum of sub-disciplines. Apart from pursuing their individual research, members of the faculty have also been intimately involved in the process of Planning and policy-making in India and abroad. Our department is currently ranked the highest in India (out of over 100 institutions) 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>.)

Distinguished Visitors

In keeping with its international reputation, the School has had the privilege of playing host to a long list of distinguished visitors. Sir John Hicks was here several times in the very early years of the institution. Others who visited the School frequently include Thomas Bottomore, Max Gluckman, John Barnes, Richard Bendix, A.R. Desai, Michael Kalecki, Nicholas Kaldor, E. Malinvaud, Jacques Dreze, Joan Robinson, W. B. Reddaway and I. G. Patel. The DSE faculty and students have also had the privilege of being addressed by Nobel laureates Jan Tinbergen, Milton Friedman, Zvi Griliches, Kenneth Arrow, John Nash, Eric Maskin and Amartya Sen.

The School has instituted, in collaboration with the Institute of Economic Growth and the Indian Statistical Institute, the prestigious V. K. Ramaswamy Memorial Lecture which has been regularly delivered for over 25 years. James Tobin, Lawrence Klein, Ian Little, Louis Lefebvre, Harry Johnson, Robert Baldwin, William Baumol, Nicholas Stern, Bela Balassa, Lance Taylor, Ronald Jones and Anne Krueger have, among others, delivered this lecture.

Together with the Sukhamoy Chakravarty Trust, the department has periodically organized the Sukhamoy Chakravarty Memorial. This lecture was delivered by Hugo F. Sonnenschein of University of Chicago in 2005, Oliver Hart of Harvard University in 2007, Pranab Bardhan of University of California, Berkeley in 2009 and Kaushik Basu of Cornell University, also the Chief Economic Advisor to Government of India, in 2010.

Continuing in the tradition of promoting and actively participating in the frontiers of Economics research, the department regularly organizes conferences, seminars and workshops. In the recent past, John Nash (Winner of the Nobel Prize in Economics, 1994) visited the Delhi School of Economics in February, 2007 for an interactive session with the students and faculty. In December 2007, the winner of the Nobel Prize in Economics of that year, Eric Maskin, came and delivered 3 lectures at the Winter School immediately after receiving the Prize.

In most years, a Winter School brings together distinguished economists, faculty and students from across the world.

Our In-House Journal and Working Papers

The department has the distinction of initiating and housing a biannual journal, the *Indian Economic Review*. It also publishes a working paper series which showcases the research of its faculty. A series of monographs has also been published as part of the Delhi School of Economics monograph series.

Library and Computing Facilities

Teaching and research in the department are supported by excellent computing facilities and a well-stocked library. The Ratan Tata Library houses possibly one of the best collections in economics and related social disciplines. It has a collection of over 3.15 lakhs volumes of books and bound journals and subscribes to more than 300 journals. Training in computer applications relevant to the field has become an integral part of the current M.A. curriculum. The department has a modern computer laboratory with many applications and data sets to give students firsthand experience in data analysis and applications.

Student Placements

The Delhi School of Economics has developed an extraordinary reputation in terms of the high quality and extremely motivated set of students that it sends abroad as graduate students to top universities, most of whom continue to contribute to the profession after fruitfully completing their Ph.D. Over the last few academic years, our students got admission offers with fellowships from Princeton, Chicago, Yale, NYU, Brown, Cornell, Wisconsin-Madison, Maryland, Penn-State, Indiana and Washington St. Louis among others.

The department also has a Placement Cell that successfully places students in attractive corporate jobs. Since its inception in 1998, the Placement Cell has been committed to widening the options available to students in terms of available careers, and in enabling them to make informed choices regarding these options. It functions as an autonomous unit within the Department of Economics, with student involvement at every level. Many companies have visited the campus over the last few years to offer various job profiles comprising Analytics, Risk Advisory, Marketing and Sales, Research, Consulting, Investment Banking, Macroeconomic Modelling & Forecasting, Media, etc. Campus recruitment for summer internships and final placements is done each year. Recruiters on campus include Nomura, Goldman Sachs, American Express, Citibank, Proctor & Gamble, Essex Lake Group, Accenture, Merck, HSBC, Genpact, ICICI, Ernst and Young, Pricewaterhouse Coopers, Deloitte, Hewlett Packard, GMR, India Infrastructure, BMR Advisors, Target, AbsolutData, CEPA, IFMR, IMRB, RBI, TERI, Centre for Civil Society, and CRY. (<http://dsebottomline.com>)

2. CURRENT FACULTY AND SPECIALISATIONS

PROFESSORS

Anant, T.C.A, Ph.D. (Cornell) (on leave)
Econometrics, Law and Economics

Bhattacharjea, Aditya, Ph.D. (Boston)
International Trade, Industrial Economics

Deshpande, Ashwini, Ph.D. (Delhi)
International Economics, Economics of Discrimination,
Aspects of the Chinese Economy

Dua, Pami, Ph.D. (London School of Economics)
Macroeconomics, Econometrics, Forecasting

Kanwar, Sunil, Ph.D. (Berkeley)
Development Economics, Intellectual Property, Agricultural Economics

Meenakshi, J.V., Ph.D. (Cornell)
Agricultural Economics, Economic Policy

Nayak, Pulin B., Ph.D. (Rochester)
Public Economics, Economic Theory

Panda, Santosh C., Ph.D. (Birmingham)
Social Choice Theory, Microeconomic Theory

Sen, Partha, Ph.D. (London)
International Trade, Macroeconomic Theory

Shah, Sudhir A., Ph.D. (Princeton)
Economic Theory

Somanathan, Rohini, Ph.D. (Boston)
Economic Development, Political Economy, Public Economics

HONORARY PROFESSORS

Dreze, Jean, Ph.D. (ISI, Delhi)

Sen, Amartya, Ph.D. (Cambridge)

Singh, Manmohan, Ph.D. (Cambridge)

ASSOCIATE PROFESSORS

Banerji, Abhijit, Ph.D. (Yale)

Economic Theory, Applied Micro

Das, Mausumi, Ph.D. (JNU)

Growth and Development, Macroeconomics

Ghosh, Parikshit, Ph.D. (Boston)

Microeconomic Theory

Gupta, Shreekant, Ph.D. (Maryland)

Environmental and Natural Resource Economics

Kar, Anirban, Ph.D. (ISI, Delhi)

Social Choice Theory, Game Theory

Singh, Ram, Ph.D. (JNU)

Law and Economics, Economic Theory

Sinha, Uday Bhanu, Ph.D. (JNU)

Industrial Organisation Theory, Applied Game Theory

ASSISTANT PROFESSORS

Bag, Sugata, Ph.D.(JNU)

Law and Economics, Information Economics

Goel, Deepti, Ph.D. (Boston)

Applied Econometrics, Labour Economics

Goyal, Nira, M.A. (Delhi)

Macroeconomics, International Economics

Param Jit, Ph.D. (Kurukshetra)

Quantitative Methods

OFFICE STAFF

S.R.K Potty
Rakesh Hasija
Durga Rai
M.A. Ajmali

Sr. P.A. to the Head of the Department
Sr. Assistant
Assistant
Assistant

3. THE M.A. PROGRAMME

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 diverse fields of specialization.

Course Structure

The M.A. in Economics is a two-year full-time programme, with each year comprising the summer and winter semesters. The academic calendar for the M.A. Economics programme for 2011-2012 is as follows:

Summer Semester

Summer Semester Teaching	18 th July – 28 th October
Preparatory Break	29 th October – 6 th November
Semester Examination	7 th November – 26 th November
Semester Recess	27 th November – 30 th November

Winter Semester

Winter Semester Teaching	1 st December – 29 th March
Winter Break	24 th December, 2011 – 6 th January, 2012
Preparatory Break	30 th March – 6 th April
Semester Examination	7 th April – 27 th April
Summer Vacation	1 st May – 15 th July

The programme of study 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 their initial admission.

Courses are taken in the following sequence:

Semester I:	Microeconomic Theory (001) Introductory Mathematical Economics (002) Macroeconomic Theory (004)
Semester II:	Introductory Econometrics (003) Markets, Institutions and Economic Growth (005) Economic Development & Policy in India (006) One optional paper
Semester III:	Four optional papers

Semester IV:

Four optional papers

Each student is required to finalize his/her choice of the elective courses within two weeks of the start of each semester. From the list given below, the Department will announce the elective courses on offer at the beginning of each semester. The choice of elective courses in the semester will be limited to those announced by the department. Because of infrastructural requirements, the department may put a cap on the number of students in an elective course. A list of elective courses is given below with those which were offered during 2010--2011 marked in bold.

Elective courses are grouped into nine categories, including a “General” category.

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 Organisation in Historical Perspective
- 306 Contemporary Issues in Historical Perspective
- 307 Topics in Economic and Social History, 1700-1975**

3. 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**

- 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**

- 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

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.

Examinations

Examinations, in all courses except the dissertation course, will be held semester wise and the medium of instruction is English. 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.

Evaluation

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 408 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 tests, exams, term-papers, lab assignments and class attendance and participation and 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.

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.

Promotion and Span Period

The span period of the programme is four years from the date of (first) registration. The pass mark for each course is 40%. To be eligible for the award of the M.A. degree in Economics, a candidate must secure at least 40% marks in the aggregate of fifteen courses and must also obtain 40% in the aggregate of the six core courses. For promotion from the first year to the second year, a student must obtain a minimum of 40% marks in the aggregate in the six

compulsory courses. All these requirements must be completed in the span period. 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%

Reappearance in examinations

Prior to becoming eligible for the award of the degree, a student may re-appear in a course. Such re-appearance in the written examination in a course has to be as per the schedule announced by the department and must be completed not later than one year of first taking the examination. In this case, the internal evaluation marks previously obtained will be carried forward, and added to the marks obtained after re-appearance in the written examination.

A candidate must choose once only, the course/s of a semester, in which he/she would reappear at an examination. 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 a student will not be allowed to appear in any paper more than twice and all exams must be completed within the span period.

Applications, with prescribed fees, for re-valuation or re-checking of examination scripts will be entertained if made within 30 days of the declaration of the results.

Admission Rules and Procedures (for admission to M.A Economics, 2011-2012)

Students seeking admission to M.A Economics at the University of Delhi are required to first register themselves with the Department of Economics at the Delhi School of Economics, for appearing in the Entrance Examination. After being selected for the M.A. Economics Course, 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 listed below:

Deshbandhu College
Hindu College
Indraprastha College*
Janki Devi Memorial College*
Kirori Mal College
Lady Shri Ram College*
Miranda House*
Ramjas College
Shri Ram College of Commerce
St. Stephen's College
Zakir Hussain College

Colleges marked * are for women students only.

Note that all lectures are delivered in the Department of Economics, Delhi School of Economics.

Registration Procedure

Eligible applicants are required to submit the attached registration form complete in all respects, along with attested copies of the following certificates:

- (i) High School / Higher Secondary / S.S.C. Examination for age verification.
- (ii) Mark-sheet of the last qualifying examination or, if that result is awaited, certificate from the institution to that effect.
- (iii) Certificate from a competent authority for those belonging to SC, ST, OBC or physically handicapped, wherever applicable.
- (iv) Entitlement card from the record officer if concession admissible to children/widows of officers/jawans of the armed forces killed/disabled in action is sought.

In addition, the applicant must attach two copies of a recent passport size photograph, duly attested, one each on the registration form and the admission ticket. The admission ticket is to be detached from the registration form and retained by the candidate for presentation at the time of the entrance test.

The completed registration form with copies of supporting documents, must reach **the Head, Department of Economics, Delhi School of Economics, University of Delhi, Delhi 110007 no later than June 15, 2011.**

The Entrance Exam will be held on Saturday, 25 June 2011 at 10:00 a.m. in the Delhi School of Economics. The applicant must report at 9:00 a.m. on the day of the exam at the examination centre and present the admission tickets for entry to the examination hall.

Eligibility Conditions

A. Students from Indian Universities (General Category)

- (i) B.A. (Hons.) Economics of the University of Delhi with 50% or more marks in the aggregate.
- (ii) B.A. (Hons.) / B.Sc. (Hons.) Economics of any other Indian University recognized by the University of Delhi with 50% or more marks in the aggregate. In the case of Universities where the B.A./B.Sc. (Hons.) Economics degree includes courses other than Economics, the course shall be treated as an Honours course only if it contains at least 55% marks of the total marks in respect of papers in economics.

- (iii) First Class with 60% or more marks in Graduate/Post-graduate degree in any other subject from the University of Delhi or any Indian University recognized by the University of Delhi.

B. Students from Foreign Universities

Indian nationals holding a degree from non-Indian Universities, as well as all foreign nationals have the option of seeking admission to M.A Economics either by taking the department's Entrance Examination or by seeking admission on individual basis by submitting their GRE Scores along with recommendations from two academic referees. Those who choose to take the entrance test must apply to the Head of the Department on the prescribed form by the due date. In other cases, complete application with GRE scores and recommendations from academic referees must reach the Head of the Department by 15th June 2011. No matter which option they choose, all foreign nationals must route their applications through:

Foreign Students Advisor
Foreign Students Registry
Faculty of Management Studies
University of Delhi
Delhi 110007

N.B. Foreign nationals with Indian degrees and Indian nationals with degrees from foreign universities should ideally appear for the entrance test. In case it is not feasible for a candidate to appear for the test she/he should follow the procedure laid down in B above.

- Notes:
1. Permission to appear in the Entrance Exam does not in any way commit the University to recognize a candidate's eligibility for admission. The eligibility will be decided as per procedures prescribed by the University in this regard.
 2. Candidates seeking admission to the course on the basis of a Bachelor's degree should have passed the Bachelor's degree examination under the 10+2+3 or 11+2+2 or 10+2+2+1 pattern of education.
 3. A candidate whose result of the last qualifying examination is awaited will be allowed to appear in the Entrance Exam on submitting a certificate from the institution to that effect. In case the candidate is admitted to the course on provisional basis, the admission will be cancelled if the result is not communicated by 31 August or if the candidate fails to meet the minimum eligibility criteria on the basis of his/ her result.

Scheduled Castes and Scheduled Tribes Candidates

Candidates belonging to Scheduled Castes/Scheduled Tribes and seeking admission to post-graduate courses will also be required to get their names registered along with other candidates and appear for the Entrance Exam to be held on 25th June 2011.

An extract from A.C Resolution dated 14-6-1983 regarding reservation of seats for SC/ST candidates is given below:

1. 15% of the seats for Scheduled Castes and 7.5% for Scheduled Tribes (inter-changeable) be reserved in all under-graduate courses.

No seats be reserved for Scheduled Castes in a Post-Graduate course where the numbers of seats is less than 7. Where number of seats is more than 7 and less than 15, 15% of seats be reserved for Scheduled Caste candidates (if no Scheduled Caste candidate is available, the seat would go to a Scheduled Tribe candidate, if available). Where the number of seats exceeds 15 reservations @ 15% and 7.5% for Scheduled Castes and Scheduled Tribes candidates (inter-changeable) be made respectively.

2. For reserved category of Scheduled Castes/Scheduled Tribes the minimum eligibility for admission to Post-Graduate courses be the **minimum pass marks of the qualifying examination concerned of the University of Delhi**. In the case of Scheduled Castes/Scheduled Tribes candidates who had passed the last qualifying examination from other Universities, they should have secured at least the same percentage of pass marks at the qualifying examination as prescribed for the equivalent examination of the Delhi University for purpose of admission to the post-graduate courses of this University.
3. Where the admission is based on screening/written test, both for under-graduate and post-graduate courses, the Scheduled Castes/ Scheduled Tribes Candidates would also be required to take the same but their merit list be drawn separately and operated as per the reservation quota.
4. If the requisite numbers of Scheduled Caste / Scheduled Tribe candidates are not available by the last date fixed by the University for Admission to each course, the remaining seats be de-reserved and filled from general category

Admission for Physically Handicapped Students:

Following the recommendations of the Academic Council, made at its meeting held on 1.3.2001, it was resolved that there would be Reservation for Physically Handicapped for admission to various courses in the University. An extract from the A.C. Resolution is reproduced below:

- i. Section 39 of the "Persons with Disabilities Act 1995" be implemented in all courses of the Delhi University including technical courses, with immediate effect, and that the implementation be strictly monitored.
- ii. The policy of reservation of 3% of seats for the physically handicapped be implemented college-wise for undergraduate courses and Department wise for post-graduate courses.

- iii. Physically handicapped candidates who secure admission on merit in the general category should not be counted in the 3% quota.
- iv. Relaxation of 5% marks may be given in minimum eligibility conditions.
- v. In case of a course where admission is by entrance exam. 5% concession may be granted in the minimum eligibility condition for application to the test and separate merit list may be drawn for the students for the purpose of 3% reservation.

Eligibility under this category will be decided by the University as per guidelines framed for this purpose.

Admission under Armed Forces Category

Reservation of seats for the Children/Widows/Wives of the officers and men of the Armed Forces including Para-military personnel killed or disabled in action in Wars after 1947 and Wards of Ex-servicemen personnel and serving personnel of the Defence/Armed Forces and all Police Forces who are in receipt of Gallantry Awards:

Relaxation to the extent of 5% in minimum marks in the aggregate or in the subject, as the case may be, will be given to the candidates of the above mentioned categories while determining their eligibility to the course concerned.

In order to become eligible for the above concession, children/widows/wives of officers and Jawans etc. are required to produce the entitlement card issued by the following:

1. Secretary, Kendriya Sainik Board, Delhi
2. Secretary, Rajya/Zila Sainik Board
3. Officer-in-Charge, Record Office
4. Ist Class Stipendiary Magistrate

For purposes of registration, the candidates are required to submit their application forms on a prescribed form available at the Department Office, along with the attested copies as well as the original required certificates, which will be returned to them after endorsement on the reverse of the original certificate.

Admission under Sports Category:

Admission under this category will be governed as per the guidelines of the university. However, it is mandatory for the students seeking admission under the sports category to take the qualifying Entrance Test to be held on June 25, 2011. Students seeking admission under the sports category **must also** directly apply to the **Delhi University Sports Council (DUSC)**. The final list of candidates for admission would be decided as per the university rules. Students admitted under the sports category shall actively participate in the day to day training / practice

of games, coaching programmes / camps, inter college and inter university tournaments and other meets approved by the DUSC.

Admission under Other Backward Classes (OBC) category:

It may be noted that as per communication received by the University from the UGC, the OBC status is to be determined on the basis of the Central list of OBCs notified by the Ministry of Social Justice & Empowerment on the recommendations of the National Commission for Backward Classes available at the website of the Commission (http://ncbc.nic.in/backward_classes/index.html).

The minimum eligibility conditions for appearing in the test will remain the same as that of the General Category students. A separate merit list will be prepared as per the guidelines of the University.

M.A. Admission-cum-Scholarship Test

There will be two types of question papers for the admission-cum-scholarship test termed as Option A and Option B. Candidates are free to choose any one option. The question paper under Option A is more suitable for candidates who have studied Economics/Commerce at the undergraduate level, and the question paper under Option B is more suitable for candidates who have studied Mathematics, Statistics, Physics or any of the other courses mentioned under eligibility conditions above at the undergraduate level. However, the candidates are free to which of the two tests they would like to take.

Please note that every candidate must indicate on the application form their choice of option (A or B) for the entrance exam. The option exercised (at the time of submitting the application form) will be deemed final and you will get a question paper for that option only.

Option A

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 and statistics. Apart from these, some general questions testing the reasoning and quantitative ability of the students may also be asked. For more details about the nature of the examination, please see the description of Option A given below.

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

Chiang, A.C, Fundamental Methods of Mathematical Economics, McGraw- Hill.

Dornbusch, R., and S. Fischer, Macroeconomics, McGraw-Hill

Mankiw, N.G., Macroeconomics, Macmillan

Nagar, A.L., and Das R.K., Basic Statistics, Oxford University Press.

Pindyck, Robert S. and Rubinfeld, Daniel L. Microeconomics, 5th ed., Prentice- Hall.

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

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

Option B

Candidates choosing Option B are expected to be prepared in Mathematics and Statistics at a level indicated by the following references:

Bartle, R.G., The Elements of Real Analysis, Wiley

Coddington, E.A. and N. Levinson, Theory of Ordinary Differential Equations, McGraw-Hill

Feller, W., An Introduction to Probability Theory and its applications, Wiley

Finkbeiner, D.T., Introduction to Matrices and Linear Transformations, W.H.

Freeman and Co. (reprinted in India by D.B. Taraporevala Sons & Co.)

Hoffman, K. and R. Kunze, Linear Algebra, Prentice-Hall

Hogg, C and Craig, A.T., Introduction to Mathematical Statistics, Prentice-Hall

Rudin, W., Principles of Mathematical Analysis, McGraw-Hill

For more details about the nature of the examination, please see the description of Option B given below.

Description of Option A

Option A will consist of multiple-choice questions only. It will comprise 40 multiple-choice questions of 2 marks each (with a penalty of $-2/3$ for a wrong answer), and 20 multiple-choice questions of 1 mark each (with a penalty of $-1/3$ for a wrong answer). The correct choices must be entered on the bubble sheet provided for the purpose, and not on the question paper.

The multiple-choice questions are designed to test rigorously the ability to apply concepts and techniques, rather than have a mere 'theoretical' familiarity with them. Space will be provided in the question paper for the necessary rough work. Because the bubble sheet will be checked by a machine, it is very important that:

- only one bubble be shaded against each question number
- the chosen bubble be completely shaded
- HB pencil be used for the shading
- if you decide to change your choice, completely erase the previously shaded bubble

Candidates must bring their own pencils, erasers, sharpeners etc., as well as simple (non-programmable, non-alpha-numeric memory) calculators.

Description of Option B

The option B question paper will have two parts. Part I will comprise of multiple-choice questions with negative marking for an incorrect answer. Part II will comprise of longer questions.

For the benefit of the candidates the entrance test paper for the year 2010 is available on our web page: <http://www.econdse.org/programframe.htm> . No queries on the test paper will be entertained.

Sample multiple-choice questions

1. A number of mathematicians in the middle of the 20th century contributed to a series of books published in the name of a fictitious mathematician called Bourbaki. Suppose a sociological critic of science asserts ‘There exists a book by Bourbaki such that every chapter in that book contains a theorem whose validity depends on the reader’s gender’. If this assertion is false, which of the following assertions must be true?
 - (a) Every book by Bourbaki contains a chapter such that the validity of some theorem in that chapter is independent of the reader’s gender.
 - (b) Every chapter in every book by Bourbaki contains a theorem whose validity is independent of the reader’s gender.
 - (c) There exists a book by Bourbaki such that every chapter in it contains a theorem whose validity is independent of the reader’s gender.
 - (d) Every book by Bourbaki contains a chapter such that the validity of all the theorems in it is independent of the reader’s gender.
2. Suppose two dice are tossed simultaneously. What is the probability that the total number of spots on the upper faces of the two dice is not divisible by 2, 3 or 5?
 - (a) $1/3$ (b) $2/9$ (c) $4/9$ (d) $7/16$
3. The LM curve will shift to the
 - (a) left if the price level falls and the quantity of money is held constant.
 - (b) left if the price level is held constant and the quantity of money rises.
 - (c) right if the price level falls and/or the quantity of money rises.
 - (d) right if the price level rises and the quantity of money is held constant.
4. Consider a Cournot duopoly with inverse market demand function $p=a-b(q_1+q_2)$, where $a>4$ and $b>0$ are given constants, p is the market price and q_i is firm i ’s output. Suppose Firm 1’s cost function is $C_1(q_1)=q_1$ and Firm 2’s cost function is $C_2(q_2)=2q_2$. In Cournot equilibrium, the outputs are
 - (a) $q_1=a/3b$ and $q_2=(a-3)/3b$

- (b) $q_1 = (a-3)/3b$ and $q_2 = a/3b$
- (c) $q_1 = 2a/3b$ and $q_2 = (2a-3)/3b$
- (d) $q_1 = (2a-3)a/3b$ and $q_2 = 2a/3b$

5. Consider the situation described in Question 4. Now suppose Firm 1 takes over Firm 2 to become a monopolist. The new firm will

- (a) produce $2/3$ of the output in plant 1 and $1/3$ of the output in plant 2.
- (b) produce $1/3$ of the output in plant 1 and $2/3$ of the output in plant 2.
- (c) divide the output equally between the two plants.
- (d) produce nothing in plant 2.

Admission Procedure

Admission to the M.A. Economics course will be strictly according to merit and no candidate will be admitted in the General category unless he/she secures at least 40 per cent marks in the Entrance Test. For candidates belonging to the OBC category, the cut off marks will be lower than the cut off marks for the general category. The exact cut off marks for OBC category will be decided as per the directives received from the University/the Ministry of HRD.

In the selection of candidates for admission, the decision of the Admission Committee of the department will be final. 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.

Successful candidates will be issued admission slips, which they are required to produce for enrolling themselves in the Delhi School of Economics or in any of the listed colleges. The procedure for admission in the Delhi School of Economics is given below. For admission in affiliated colleges, candidates are requested to contact the concerned college authorities. The total intake in M.A Economics this year, inclusive of all the reserved category seats, will be decided as per the guidelines yet to be finalized by the University. For scholarship purposes, separate merit lists will be put up for the reserved and non-reserved categories.

Admission Procedure at the Delhi School of Economics and Fees

The candidates selected for admission in the Delhi School of Economics must contact the office of the School for the admission form. The students are required to produce:

- i. all original certificates which will be returned after verification;
- ii. hostel application, if relevant, on the prescribed form (refer to section 8 of this Handbook);
- iii. two recent passport size photographs, duly attested.

Fee

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

Tuition Fee (Rs. 18 per month from May to April)	Rs. 216.00
Admission fee	Rs. 10.00
University enrolment fee	Rs. 150.00
University Development fee	Rs. 300.00
University annual charges	Rs. 8.00
Library fee	Rs.6.00
Athletics fee	Rs. 50.00
W.U.S. Health Centre fee	Rs. 120.00
Student's Union fee	Rs. 125.00
Library Deposit (Refundable)	Rs. 1000.00
Cultural fee	Rs. 10.00
DSE Amenities Fund	Rs. 100.00
Library Development fee	Rs. 200.00
Computer fee*	Rs. 3000.00
DSE Development Fee	Rs. 500.00
DSE Library Services Fee	Rs. 1000.00
N.S.S. Fund	Rs. 20.00
Prevention of Sexual Harassment Fund	Rs. 10.00

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*	Rs. 3000.00
DSE Development Fee	Rs. 500.00
DSE Library services fee	Rs.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 at the time of depositing of admission fees 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, Attendance and Internal Assessment Requirements:

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 course, 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 course.

Scholarships

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

Professor Manmohan Singh Festschrift Scholarship of Rs. 5000/- per month plus a book grant of Rs. 3000/- per annum; **A.N. Ram scholarship** of Rs. 1200/- per month; **Mrs. Elizabeth Krishna Scholarship** of Rs. 500/- p.m.; **Merit Scholarship** of Rs.400/- p.m. 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:

The details of some of the scholarships are given below:

Sr. No.	Name of the Scholarship	Year in which of award awarded	Duration	Value (per-month)	Number
1.	Prof. Manmohan Singh Scholarship	M.A. (P)	Two years	Rs. 5000/-	1
2*	A.N. Ram Scholarship	M.A. (P)	Two years	Rs. 1200/-	1
3.	Merit Scholarship	M.A. (P)	One year	Rs. 400/-	4
4.	Merit Scholarship	M.A. (F)	One year	Rs. 400/-	4
5.	Smt. Shanti Sharma Memorial Scholarship	M.A.(P)	Two years	Rs. 500/-	1
6.	National (CAS) Scholarship	M.A. (P)	Two years	Rs. 250/-	8
7.	Prof. Balvir & Ranjana Singh Memorial Scholarship	M.A.(P)	Two years	Rs. 230/-	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.

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

4. M.PHIL IN ECONOMICS

The M.Phil. Programme in Economics operates within the overall framework laid down by the ordinance governing the M.Phil. programme in the University.

1. Student intake into the M.Phil. Programme will be determined as per the University Ordinance VI. Reservation will be provided as per university guidelines.
2. 25% of the students enrolled in the M.Phil. programme will be entitled to get fellowships @ Rs.3000/- per month, with a contingency support of Rs.8000/- per year. Duration of the fellowship will be as per rules and regulations under the Ordinance for the M.Phil. programme of the Department. The selection of students for the above-mentioned Fellowships will be as per the merit list. 50% of the fellowships will be reserved for the reserved categories. Duration of the fellowship will be as per the rules and regulations under the Ordinance for the M.Phil. programme of the Department. No fellowship will be given for the extended period.
3. No fellowship will be given to students who join part-time M.Phil. programme.
4. All applicants for the M.Phil. Programme is required to take the entrance examination.

Eligibility

A. Students from Indian Universities

The minimum qualification for admission to the M.Phil. Programme shall be a Master's degree in Economics or in any of the following allied subjects: Business Economics, Business Administration, Commerce, Statistics, Mathematics, Operations Research, History and Engineering, with at least 55% marks in the aggregate, or an equivalent qualification recognized by the Academic Council. The above minimum marks requirement shall not however apply in the case of the teachers of the University of Delhi holding substantive appointment before the promulgation of the ordinance relating to the M.Phil. programme. Such teachers need only have 50% in the aggregate to be eligible.

B. Students from foreign Universities:-

Indian Nationals holding a Master's degree in Economics or in an allied subject, as well as all foreign nationals have the option of seeking admission to M.Phil. Economics by taking the Department's Entrance Examination or seeking admission on individual basis by submitting their GRE Scores along with recommendations from two academic referees. Those who choose to take the entrance test must apply to the Head of the Department on the prescribed form by the due date. No matter which option they choose, all foreign nationals must route their applications through:

Foreign Students Advisor
Foreign Students Registry
Faculty of Management Studies
University of Delhi
Delhi 110007

N.B. Foreign nationals with Indian degrees and Indian nationals with degrees from foreign universities should ideally appear for the entrance test. In case it is not feasible for a candidate to appear for the test she/he should follow the procedure laid down in B above.

Duration

The duration of the M.Phil. is one and half years for full-time students and two years for part-time students. Full-time teachers of the University of Delhi and its constituent colleges holding a substantive post alone are eligible for admission on a part-time basis.

Structure

The M.Phil. in Economics will consist of two parts, both parts having equal weight. Part I will comprise three full time courses and Part II a dissertation. The three courses in Part I will be of at least six months' duration each.

Span Period

A student must complete the M.Phil. programme i.e. clear both Part I and Part II of the course within three years of initial registration for the M.Phil. full-time programme, and within four years of initial registration for the M.Phil. Part-time programme.

Attendance

Students shall be required to attend the lectures and participate in seminars arranged in the department, and maintain a regular schedule of meetings with their term-paper supervisors. All students are required to attend at least two thirds of the lectures and seminars. The convenor of the M.Phil committee will assign students to faculty advisers as need be until such time as they write their dissertation proposal.

Examination

The mode of examination for Part I will include term papers, class exams, and presentations, as decided by the student advisory committee. In Part II, a student is required to write a dissertation on a subject approved by the Advisory Committee, under the supervision of the supervisor(s) appointed for the purpose. Only a student who clears at least two courses in the Part I examination may be allowed to proceed to his/her dissertation work. A student will be permitted to submit the dissertation only when he/she has passed the examinations in all the courses of Part- I.

The dissertation will be submitted only when the supervisor(s) concerned is/are satisfied that it is worthy of consideration in part fulfillment of the M.Phil. Degree. The application for submission of the dissertation shall also be countersigned by the Head of the Department. The dissertation may include results of original research, a fresh interpretation of existing facts and data, or a review of a critical nature, or may take such other form as may be determined by the Advisory Committee. No student shall be allowed to appear in any part of the examination (Part I/Part II) more than twice.

A candidate who having fulfilled the attendance requirement and being otherwise eligible to appear at the examination fails, or fails to appear shall be required to appear/reappear for the same on his/her being an ex-student in accordance with the rules prescribed in this behalf.

Evaluation and Classification of Results: Students admitted to the M.Phil. will be evaluated in Parts I and II of the M.Phil examination under the numerical system and successful candidates of the M.Phil examination will be classified into the following three categories.

- | | | |
|----|---------------------------------|---|
| 1. | Pass | At least 50% in each of two courses and no less than 40% in the third and 50% in the Dissertation including viva-voce |
| 2. | First Division | with 60% marks or more in the aggregate |
| 3. | First Division with Distinction | with 75% marks or more in the aggregate |

Transition to Ph.D

Students initially registered in the M.Phil. programme who obtains a score of 60% or more in the coursework are eligible for admission to the doctoral programme without completing their M.Phil. degree and each case would be based on the specific recommendation of the DRC.

Students who perform at a prescribed level (60% or more) on average in courses of the Part-I examination may be allowed to proceed to the Ph.D. programme without being required to undertake Part II. The student will put in a formal request to the Head/DRC Convener about a switch from the M.Phil. to the Ph.D. programme. A student who is admitted to the Ph.D. programme in this manner would then have to take two additional courses as part of the Ph.D. course work, as decided by the DRC. A student, who has been allowed to proceed to the Ph.D. programme as above, shall have the option to return to the M.Phil. programme at a later stage. However, such a student shall be required to clear the M.Phil. programme within the overall span period of three years from the date of initial registration to the full-time M.Phil. programme or within four years from the date of initial registration to the M.Phil. part-time programme. These students will then be eligible to receive UGC fellowships under the same conditions as other Ph.D. students who have been admitted through the entrance exam.

Fees etc.

The following fees are required to be deposited with the University Cashier:

Admission fee	Rs. 10
Library Deposit (refundable)	Rs. 1000
Tuition Fee @ Rs. 18/- p.m.	Rs. 324
Athletics Association	Rs. 50
Cultural fee	Rs. 10
Library Development Fee	Rs. 200 p.a.
Computer Fee	Rs. 4000*
N.S.S. Fee	Rs. 20
DSE Development fee	Rs. 500
DSE Library Services fee	Rs. 1000
University Development Fee	Rs. 300 p.a.
Enrolment Fee	Rs. 150
University Library Fee	Rs. 12 p.a.
Prevention of sexual harassment fund	Rs. 10 p.a.

*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 at the time of depositing of admission fees 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.

Examination Fee: Parts I and II Rs. 800 each

Note: The structure of fees may change as per the University decision from time to time.

M.Phil. Admission 2011-2012

Application forms for M.Phil. Admissions are obtainable from the office of the Department of Economics, Delhi School of Economics or can be downloaded from our webpage. Application forms must be supported by the required documents and must be accompanied by a demand draft of Rs.500. For SC/ST/PH applicants, the relevant demand draft amount is Rs.300. The demand draft should be made from any nationalized bank and the draft should be prepared in favour of the **Registrar, University of Delhi**, and should be payable at Delhi.

Candidates awaiting results of their last qualifying examination are eligible to apply. They must, however, produce proof of eligibility, if selected, at the time of admission. The admission will be on the basis of a written test followed by an interview for those candidates who score above the minimum cut off in the written examination. The cut-off will be decided by the M.Phil. Committee. The entrance examination will be held on 25th June 2011 at 10:00 a.m. The short list for interview will be put up in the afternoon of July 8th, 2011, and the interviews will be held on **July 11th, 2011**.

For the entrance examination, applicants will be expected to be familiar with M.A. first year material in microeconomics, macroeconomics and econometrics.

List of indicative textbooks:

(i) Advanced Microeconomic Theory - Geoffrey A. Jehle and Philip J. Reny

(ii) Advanced Macroeconomics - David Romer

(iii) Basic Econometrics - D. Gujarati

The question paper for the entrance examination will consist of two parts. The first part will comprise of multiple-choice questions in microeconomics, macroeconomics and econometrics. The second part would consist of short answer questions. Weightage would be the same for both the parts.

Course work for M.Phil. Programme

All those admitted to the M.Phil. programme will be required to do coursework for two semesters and will be evaluated at the end of each semester.

5. PH.D. IN ECONOMICS

To be eligible for Admission to the Ph.D. Programme, a candidate must have obtained a Master's or M.Phil. degree of the University of Delhi, or any other recognized University, or any degree recognized as equivalent in the subject in which the candidate wishes to pursue a course of research, or in an allied subject. She/he must have obtained either a minimum of 50% marks or equivalent grading in the M.Phil. degree or a minimum of 55% marks or equivalent grading in the Master's degree.

The student intake in the Ph.D. programme will be determined by para 3 of University Ordinance VI-B: 3. The extent of reservations and the eligibility criteria with respect to the reserved categories of students to be admitted to the doctoral programme will be governed by guidelines issued by the University in accordance with statutory provisions. (See http://www.du.ac.in/hini/du/Phd_ordinance.pdf)

Admission Procedure for the Ph.D. Programme:

Option I

Candidates who would like to be considered for financial assistance are required to appear for an entrance examination on **Saturday, 25th June 2011**. This will be followed by an interview for those candidates who score above the minimum cut off in the written examination. The cut-off will be decided by the Departmental Research Committee (DRC). For the entrance examination, applicants will be expected to be familiar with M.A. first year material in microeconomics, macroeconomics and econometrics.

List of indicative textbooks:

- (i) *Advanced Microeconomic Theory - Geoffrey A. Jehle and Philip J. Reny*
- (ii) *Advanced Macroeconomics - David Romer*
- (iii) *Basic Econometrics - D. Gujarati*

The question paper for the entrance examination will consist of two parts. The first part will comprise of multiple-choice questions in microeconomics, macroeconomics and econometrics. The second part would consist of short answer questions. Weightage would be the same for both the parts.

Option II

Candidates who do not require financial assistance have the option of not taking the entrance examination. They should instead submit a proposal for doctoral research by **Wednesday, 15th June 2011** along with their application form. An electronic version of the research proposal should also be mailed to dept@econodse.org by the same date. Such candidates are encouraged to contact individual faculty members with a draft of their proposals well before the deadline, in order to ensure that the proposal is properly formulated and the subject is acceptable to a potential supervisor.

Based on the results of the Entrance Test (for applicants under Option I) and evaluation of the research proposals (for applicants under Option II), a shortlist of Ph.D. candidates to be interviewed will be announced in the afternoon of **8th July, 2011**. The interviews will be held on **Monday, 11th July 2011**.

Course work for the Ph.D. Programme:

All those admitted to the Ph.D. programme will be required to do coursework for two semesters and will be evaluated at the end of each semester. Provisional admission of each student to the Ph.D. programme will be confirmed only after successful completion of course work and defence of the thesis topic in a departmental seminar. The Ph.D. Programme will be governed by the detailed provisions of Ordinance VI-B of the University of Delhi.

Financial Assistance

Only Ph.D. candidates selected through the entrance examination will be eligible for financial aid awarded on the recommendation of the DRC, Department of Economics. All candidates admitted through the entrance examination may be awarded UGC (Non-NET) Fellowships of Rs 5000/- per month with contingency support of Rs 8000/- per year as per the University Rules.

A limited number of University Teaching Assistantships (under UTA scheme 2006 of the University) of Rs. 30,000/ per month are available for students who received their Master's degree in last two years and are admitted to the Ph.D. programme through the entrance examination. This scheme is governed by a set of rules as notified by the University from time to time. Interested candidates may see <http://www.du.ac.in/index.php?id=656>.

Applicants may independently apply for the UGC-JRF Research Scholarships (see section 6 below).

RULES REGARDING PAYMENT OF SUPERVISION AND OTHER FEES BY RESEARCH STUDENTS

Every research student shall be required to pay the following fees:

Supervision Fee	: Rs.20/-p.m. from the date of registration (to be paid annually)
Enrolment Fee	: Rs.300/- to be paid at the time of admission by a Candidate who is joining the University afresh, otherwise a special annual fee of Rs.50/-
University Development Fee	: Rs.300/- (annual)
Library Fee	: Rs.12/- per annum
Library Deposit (refundable)	: Rs.1000/-
Athletic Fee	: Rs.50/- per annum
Library Development Fee	: Rs.200/- per annum

Fund (non-refundable)	
Computer fee*	: Rs. 4000/- per annum
DSE Development Fee	: Rs. 500/-
DSE Library Services fee	: Rs. 1000/-
Prevention of sexual harassment	: Rs. 10/- per annum
Fund	
Additional fee payable by	
Foreign Students	: US \$500/- Registration Fee and Fee and US \$100/- as Special Fee

* 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 at the time of depositing of admission fees 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.

Note

- i. A research student who has been awarded bursary by the university shall be treated as having paid the supervision fee for the period for which the bursary is awarded.
- ii. Members of the teaching staff of the University Colleges and the teachers of the Higher Secondary Schools recognized by the Central Board of Secondary Education, Delhi and such scholars as are working as Research Assistants/Library Assistants/Technical Assistants in the University of Delhi shall be exempted from payment of supervision fees.
- iii. Those who are exempted from payment of supervision fees under (i) and (ii) above shall be required to pay the Special Annual Fee of Rs. 3/- (in case of (i) and Research Assistants/ library Assistants/ Technical Assistants), and Athletic Fee of Rs. 5/- at the beginning of each academic year.
- iv. The structure of fees may change as per the University decision from time to time.

6. UGC-JRF RESEARCH SCHOLARSHIPS

The University Grants Commission holds a national level test as an eligibility condition for consideration for the award of the Junior Research Fellowships for both M.Phil. and Ph.D. studies. The U.G.C. test is held at several university centres across the country. For details view UGC webpage: <http://www.ugc.ac.in>

7. 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 of approximately 3.15 Lakhs volumes of books and bound periodicals. More than 300 Current titles of journals are being subscribed in the Library. The Library also receives Annual Reports of about 800 Joint Stock companies. It has a special collection on Pakistan to support research in the Area Studies Programme (Pakistan). The Library has been designated as a repository of United Nations publications. It has a fairly large and well-organized collection of state and Central Government publications.

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

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,
- c. There is a provision for consultation membership of the library for others wanting to use it for specific purpose.

8. HOSTEL ACCOMMODATION AND MEDICAL FACILITIES

Hostel Accommodation

A. Women

A fifty-seat hostel exclusively for women students of the Delhi School of Economics called the Ambedkar Ganguli Students' House for Women came on stream in July 2003. For the girls of the Department of Economics about 26 seats in all will be available. 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, C/o, Faculty of Management Studies, University of Delhi, Delhi-110007 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. Hostel residents are required to Pay Rs. 240/- p.a. and day scholars Rs. 120/- p.a. for these facilities.

Note: Disputes, if any, arising out of or relating to any matter whatsoever, concerning the process of admission shall be subject to the exclusive jurisdiction of the competent Court in Delhi only.

9. Right to Information Act, 2005

Shri Jay Chanda,

Assistant Registrar (Information) &
Central Public Information Officer,
New Administrative Block,
University of Delhi,
Delhi-110 007.
Phone No. 011-27667623
Fax No. 011-27667524

Shri R.K. Sinha, I.A.S.,

Registrar & Ist Appellate Authority
Old Vice Regal Lodge
University of Delhi,
Delhi – 110 007
Phone No. 011-27667853
Fax No. 011-27666350

1. An application for obtaining information under the Right to Information Act, 2005 can be made to the **Central Public Information Officer**.
8. The prescribed fee for filing the application is Rs.10/- by way of cash against proper receipt or by way of bank demand draft or banker's cheque or Indian Postal Order payable to the **Registrar, University of Delhi** at Delhi.
9. An appeal can be preferred before the **1st Appellate Authority** against the decision of the Central Public Information Officer.
10. Manuals prepared under Section 4(1) (b) of the Right to Information Act, 2005 are available on the website of the University www.du.ac.in and in the office of the Assistant Registrar (Establishment) and Assistant Registrar (Information), New Administrative Block, University of Delhi, Delhi-110 007.