New York University
Department of Economics
Advanced Degree Programs
(Revised September 19, 2019)

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1. Ph.D. Program

The Doctor of Philosophy is a research degree. It signifies that the recipient is able to conduct independent research and has both a broad basic knowledge of all areas of economics and a comprehensive knowledge of one or two areas in particular. The Ph.D. program equips its graduates with modern economic techniques, enabling them to take leadership positions in economic research in the academic, business, and government worlds.

The Department of Economics has risen to prominence in recent years by attracting internationally renowned scholars to its faculty and by carefully selecting its student body. There are many reasons to believe that we can offer students an outstanding intellectual environment. Seven members of our department are Fellows of the Econometric Society, and one is a Nobel Laureate. Many currently serve or have served on the editorial boards of major journals, including the American Economic Review, Econometrica, the Review of Economic Studies, and the Journal of Economic Theory. Perhaps most significantly, the department placed among the top ten in the Tilburg University ranking of economics departments.

1.1 General Degree Program Requirements

Active graduate students are either in ‘good standing’ or on ‘academic probation.’ To be in good standing, the Graduate School of Arts and Sciences (GSAS) requires that students maintain a minimum grade-point average of 3.0 and successfully complete 66% of credits attempted while at NYU, excluding the current semester. Courses with grades of IP, N, W, and F are not considered successfully completed.

Students must also advance to candidacy by the end of their fourth year. Candidacy is achieved by completing all degree requirements except the dissertation.

In addition to the GSAS criteria, the Department of Economics requires that all qualifying and field examinations be passed within the appropriate time period and that a third-year paper be satisfactorily completed and presented before the last day of the spring semester of a student’s third year.

If a student fails to meet any of these requirements, the department’s Graduate Committee will review the student’s dossier and decide whether to place the student on academic probation. Students placed on probation will have one semester to satisfy the conditions set by the Committee. This time limit can be modified in cases involving
circumstances beyond the student's control, such as the setting and grading of makeup examinations.

Note that satisfaction of the above criteria does not guarantee automatic continuation in the program, though normally it will permit continuation. For instance, excessively unbalanced grades could trigger a review of performance by the Graduate Committee. Depending on the extent to which a student fails to meet requirements, financial aid from NYU may be suspended during the period of probation, or even terminated altogether.

1.2 Program Completion Timeline

**Year 1:** The first year of the program is devoted to training in core analytical skills. Students must take

- Mathematics for Economists I (ECON-GA 1021)
- Microeconomic Theory I and II (ECON-GA 1023 and ECON-GA 1024)
- Macroeconomic Theory I and II (ECON-GA 1025 and ECON-GA 1026)
- Econometrics I and II (ECON-GA 2100 and ECON-GA 2101)

A second semester of mathematics is optional.

In addition, students must pass end-of-year qualifying exams in micro- and macroeconomic theory. To remain in good standing, students must maintain a cumulative grade point average of at least 3.0 and pass both qualifying exams. Those who pass the qualifying exams but whose GPA falls short of 3.0 are typically placed on probation. Those who fail either of the qualifying exams are asked to leave the program.

**Year 2:** The second year is devoted to developing specialized knowledge in *two fields*, such as

- Development economics
- Econometrics
- Experimental economics
- Financial economics
- Industrial organization
- International economics
- Labor economics
- Law and economics
- Macroeconomics
- Microeconomic theory
- Monetary economics
Field requirements can be found here. Since they vary from year to year, be sure to check when planning your courses. To certify that the requirements have been fulfilled, students must fill out a field completion form and get professors to sign it. Failure to complete field coursework will typically trigger academic probation, in which case a student will usually be given an opportunity to complete the field in their third year.

**Year 3:** The main objectives for the third year are to finish coursework and begin the transition to original research.

To qualify for a doctorate, a student must satisfactorily complete 72 units of coursework, with at least 64 in residence at NYU.

To transition to research, students are expected to complete any research papers required for their fields and to participate in the department’s third-year paper workshop (the seminar on article preparation). As part of this workshop, students must

- find a faculty advisor,
- write an original research paper,
- and present their work at mini-conferences held at the end of the fall and spring semesters.

**Year 4:** The main objective of year 4 is to advance to candidacy. In addition to the requirements listed above, this involves submitting a dissertation proposal and presenting it at a preliminary oral examination. When all degree requirements except the dissertation are completed, a student will earn a Masters of Philosophy (M.Phil.) degree. Students who fail to advance to candidacy by the end of year four must petition for an extension.

From this time onward, students must submit an advisor report form at the end of each academic year. The reports will be reviewed by the Graduate Committee and dealt with on a case-by-case basis to determine whether a student is making satisfactory progress.

**Years 5 and beyond:** The remaining years of the program are devoted to writing an original PhD dissertation. This typically consists of 2 or 3 research papers that can eventually be published in a professional economics journal. During these years, students work closely with one or more faculty advisors who guide their research and serve as mentors. When the dissertation is completed, a public oral examination is held at which the candidate presents and defends research results before a faculty committee.

**Limit on time-to-completion:** The economics department has a 7-year limit on time to completion. Students who fail to complete all degree requirements within that time must
petition the department’s Graduate Committee for an extension. The School requires that all requirements for the doctoral degree must be completed no later than ten years from the initial date of matriculation or seven years from the time of matriculation if the student enters the Ph.D. program having been given transfer credit for more than 23 points. For rules concerning time to degree, refer to the GSAS Policies and Procedures Manual.

1.3 Responsible Conduct Research (RCR)

History/Background of Responsible Conduct of Research

Components of NYU Department of Economics RCR Training:

These trainings should be completed by all students preferably during the second year of their doctoral program.

- Completion of (1) session of Human Subjects Trainings offered via the Office of Post Doctoral Affairs (towards bottom of webpage)
- Department of Economics Custom Designed Training - usually held once a year in September.
- Completion of (2) out of (4) sessions of the University-wide RCR seminars offered annually by the Office of Post Doctoral Affairs (this is in addition to the specialized Human Subjects Training)
- OPTIONAL RCR training resources: (5) CITI online program modules

Upon completion of all of the RCR components, you will receive a certificate of completion of RCR Training from the Office of Postdoctoral Affairs. Please retain the certificate for future reference as you may be asked to produce it for NYU or a future institution with whom you become affiliated. The certificate is valid for (4) years and transferable to other institutions. Should you be here at NYU conducting federal research for a period longer than your certification is valid, you will be required to take more RCR training.

1.4 Employment Opportunities

The department believes that working as a teaching or graduate assistant promotes your professional development, and we warmly encourage you to look for suitable opportunities. You can also supplement your fellowship stipend in this way.

However, MacCracken guidelines stipulate that you must obtain permission from the Director of Graduate Studies before accepting an appointment. Our primary concern is
that the job will not adversely impact and indeed will benefit your academic progress. Here are some rules of thumb:

- First-year students are never allowed to work.
- Students may not work more than 20 hours per week during the academic year.
- For students in good academic standing, teaching or graduate assistant jobs inside the FAS economics department will be approved without much fuss or bother.
- Requests from students on academic probation will be scrutinized more closely, as will requests to work in other departments on campus.
- Off-campus employment during the academic year is frowned upon unless it relates directly to your dissertation research and is approved by the Director.

1.5 Full-Time Status & Maintaining Matriculation

MacCracken fellows must enroll as full-time students, which means registering for a minimum of 12 units per semester. Most of our courses count for 4 units, so this typically involves a minimum of 3 courses.

Your fellowship pays for 72 total units. Once they are used up, students should register for Maintenance of Matriculation (MAINT-GA 4747) for every semester until the degree is conferred. Your fellowship also includes fee waivers for 4 semesters of Maintenance of Matriculation.

The change to full time equivalency status from 12 to 9 credits pertains to administrative status NOT academic status. What does this mean?

You must maintain at least 12 credits per semester in order to be considered a full time student. However, for purposes of financial aid (i.e. loans), you may now be eligible for additional benefits as long as you maintain at least 9 credits. Please contact the office of financial aid (financial.aid@nyu.edu) with any questions on what you may be eligible for under the new 9 credit policy.

Students who are unable to register for courses or Maintenance of Matriculation should apply for a leave of absence. The most common reasons for requesting a leave of absence are health problems, parental accommodation, or military obligations.

1.6 Advising

For administrative and procedural matters, students are encouraged to consult the Graduate Program Administrator and/or the Graduate Program Administrative Aid.
For academic advising, the Director of Graduate Studies will serve as a student’s advisor for the first two years. At the beginning of year 3, students must find an academic advisor whose expertise matches their research interests. In many cases, that person will continue to advise them until they graduate. However, students are free to change advisors if they wish.

A student whose main advisor is outside of FAS economics must have a co-advisor who is a member of FAS economics.

1.7 Curricular Practical Training

CPT allows you, as an F-1 student, to accept off-campus employment as part of the curriculum of your degree program. CPT employment MUST be directly related to your major area of study.

1.7.1 For Thesis or Dissertation

If your internship activity is necessary for your thesis or dissertation, and the experience and/or data from it will be directly and clearly used in your dissertation or thesis work, you may submit an additional departmental letter, asking the OGS to approve CPT for thesis or dissertation. However, if your CPT experience and/or data from the internship will not be directly and clearly used in your dissertation or thesis work, you should instead register for any appropriate internship course and seek CPT authorization based on that; or apply for Pre-completion Optional Practical Training (OPT).

1.7.2 Advanced Practical Training (ECON-GA 3300)

Curricular Practical Training may be offered through the Advanced Practical Training course (ECON-GA 3300). Advanced Practical Training duties is used to and must significantly enhance students' ability to apply economic principles in practice. For successful completion, students must prepare a report in which they describe how the internship or practical training has enhanced their understanding of economics. All PhD in Economics are not required to take a course in Advanced Practical Training. However, this course is offered in case students are interested in taking it as an elective. Students interested in taking this course and CPT must seek permission of the Director of Graduate Studies. Advanced Practical Training may be taken for a maximum of two credits per semester in no more than two semesters. Credit does not count toward major requirements, but does apply toward completion of their degree. This course is offered every semester for .5 to 2 points per term and grades are pass/fail only. If students

1.8 Additional Resources
The **GSAS Policies and Procedures Manual** explains everything you want to know (and more!) about the procedural side of life as a graduate student at NYU. It is a go-to resource for answering questions about topics such as

- coursework and assessment
- enrollment and maintenance of matriculation
- leaves of absence
- parental accommodation
- advancing to candidacy
- composition of oral exam and dissertation committees
- Graduation
- Grievances
- academic probation
- disciplinary procedures
- and many more. The manual is a bit long, but it is searchable, and finding what you need is actually pretty easy.

The **Office of Global Services** helps international students with any and all visa matters. They can also answer questions about **Optional Practical Training** (OPT) and **Curricular Practical Training** (CPT) for international students.

The **MacCracken Housing Program** offers new PhD students the opportunity to reside in graduate housing at a subsidized rate. Apartments are available on a first-come, first-served basis, so new students should apply as early as possible.

The **MacCracken Fellowship Reserve** program helps students smooth their MacCracken stipends. It provides flexibility in how stipends are distributed to support the pace and course of a student’s studies. A student’s participation in MacCracken Reserve is completely voluntary.

The Graduate School offers a number of **competitive fellowships** for advanced PhD students. Our students have a great track record in winning these awards. The Graduate School also offers a number of small **travel grants** for going to professional meetings or conferences.

NYU has a **collective bargaining agreement** with the United Auto Workers covering certain graduate students who teach classes or work as graduate or research assistants. You will be a part of the bargaining unit during any semester that you are in a position covered by the agreement.
2.0 MA Program

A master’s degree in economics is an increasingly essential tool in a global economy. The M.A. program in economics at New York University is one of the most rigorous in the country. It will give you a solid background in advanced economics and enable you to upgrade your skills in applied economic analysis and public policy. It can also serve as an excellent preparatory degree for those students wishing to go on to a Ph.D. program.

2.1 General Degree Program Requirements

Active graduate students are either “in good standing” or are on “academic probation”.

To be in good standing, the Graduate School requires that students maintain a minimum GPA of 3.0 and must have successfully completed 66 percent of credits attempted while at NYU, not including the current semester. Courses with grades of IP, IF, N, W, and F are not considered successfully completed.

If academic performance falls below either the Graduate School or departmental standard, students are automatically placed on academic probation. Departments provide written notification to the students of their probationary status. Students will have until the end of the next complete semester following the date of the probation letter in which to meet the criteria set by the departments. Students on probation are not eligible for extensions of time to degree, waivers of Maintenance of Matriculation Fees, or extensions of IP or IF grades.

If the student does not meet the criteria within the time limit, they will be formally terminated from the graduate program. Students may reapply for readmission no sooner than one year following termination.

Students have the right to appeal termination, a probation decision, or the criteria set for the reversal of probation within one month of date of the letter announcing the assignment of termination or probation. Students may file a written appeal with the departmental Director of Graduate Studies.

2.2 Course of Study

The M.A. degree in economics requires a minimum of three semesters of full-time study. The time limit for completion of the degree is five years for both full- and part-time students.
Formal requirements for the Master of Arts degree in economics are the satisfactory completion of graduate studies totaling at least 32 points and the writing of a special project report. In order to graduate, students must complete at least 24 points within the Department of Economics at New York University Graduate School of Arts and Sciences. (Transfer credits do not count toward this requirement.) Most courses carry 3 points; the special project generally carries 2 points. Students must have a cumulative GPA of at least 3.0 (B) with 18 points of B (3.0) or better. Students may take 8 points outside the Department of Economics.

A common program of study is as follows:

- **Semester 1: 12 Credits**
  - Math for Economists (ECON-GA 1001) 3 Credits
  - Macroeconomics (ECON-GA 1005) 3 Credits
  - Applied Stats and Econometrics I (ECON-GA 1101) 3 Credits
  - Elective 3 Credits

- **Semester 2: 12 Credits**
  - Microeconomics (ECON-GA 1003) 3 Credits
  - Applied Stats and Econometrics II (ECON-GA 1102) 3 Credits
  - Elective 3 Credits
  - Elective 3 Credits

- **Semester 3: 6 Credits**
  - Elective 3 Credits
  - Elective 3 Credits

- **Semester 4: 2 Credits**
  - Special Project 2 Credits

### 2.2.1 Core Courses

The five core courses are:

- **Math for Economists (ECON-GA 1001) 3 Credits**
  - Applications of mathematics to economics: functions, simultaneous equations; linear models and matrix algebra; determinants, inverse matrix, Cramer’s rule; differentiation and optimization of functions of one or more variables; quadratic forms, characteristic roots and vectors, constrained optimization; interpretation of the Lagrange multiplier. Techniques applied to examples from the theory of the firm and consumer behavior.

- **Microeconomics (ECON-GA 1003) 3 Credits**
○ Applied microeconomics relating to the firm in various markets and household behavior.

● Macroeconomics (ECON-GA 1005) 3 Credits
  ○ Macroeconomic theory applied to aggregate supply and demand and their components, designing and implementing macroeconomic policy goals and forecasting GDP and its components.

● Applied Stats and Econometrics I (ECON-GA 1101) 3 Credits
  ○ Introduction to probability theory and statistics. Topics include discrete and continuous probability distributions, normal distribution, the use of t-statistics, hypothesis testing, confidence intervals, and analysis of variance. Familiarity with a regression software package is mandatory.

● Applied Stats and Econometrics II (ECON-GA 1102) 3 Credits
  ○ Introduction to single-equation regression estimation; ordinary least-squares estimation, confidence intervals, and significance testing; lags, dummy variables; multicollinearity; autocorrelation; heteroscedasticity and variable selection. Students are required to use a standard computer regression package to test a model of their choosing.

### 2.2.2 Substitutions

Students need permission to substitute a core course with another course. For example, students do need permission to take MATH-GA.1410 “Introduction to Math Analysis I” instead of (and as a substitute for) the core course ECON-GA.1001 “Mathematics for Economists”. (If students want to do both of these courses, they do not need permission.)

The table below provides a list of the most common substitutions that are permitted. Students can substitute a core MA Economics course in the left-hand column with a more advanced course in the right-hand column. Students must write to econ.ma@nyu.edu if they wish to make any of these substitutions. Other substitutions may also be possible, but students must seek specific approval by writing to econ.ma@nyu.edu.

In addition, each advanced course (e.g. MATH-GA.2901 “Basic Probability”) can only be used as a substitute for one core course (e.g. either ECON-GA.1101 “Applied Statistics and Econometrics I (MA)” or ECON-GA.1102 “Applied Statistics and Econometrics II (MA)” but not both core courses).

<table>
<thead>
<tr>
<th>Core MA Economics Requirement</th>
<th>Approved Substitutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON-GA.1001 “Mathematics for Economists”</td>
<td>ECON-GA.3001.0XX “Topics in Economics: Advanced Mathematical Economics (MA)”</td>
</tr>
</tbody>
</table>

11
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-GA.1410</td>
<td>“Intro to Math Analysis I”; Rice</td>
</tr>
<tr>
<td>MATH-GA.1420</td>
<td>“Intro to Math Analysis II”; Rice</td>
</tr>
<tr>
<td>ECON-GA.1003</td>
<td>“Microeconomic Theory (M.A.)”</td>
</tr>
<tr>
<td>ECON-GA.1101</td>
<td>“Applied Statistics and Econometrics I (MA)”</td>
</tr>
<tr>
<td>MATH-GA.2901</td>
<td>“Basic Probability”</td>
</tr>
<tr>
<td>ECON-GA.1102</td>
<td>“Applied Statistics and Econometrics II (MA)”</td>
</tr>
<tr>
<td>MATH-GA.2901</td>
<td>“Basic Probability”</td>
</tr>
<tr>
<td>ECON-GA.1005</td>
<td>“Macroeconomics (MA)”</td>
</tr>
<tr>
<td></td>
<td>No substitutes allowed. All students must take the core Macroeconomics course</td>
</tr>
</tbody>
</table>

### 2.2.3 Electives

Students not only take electives within our own MA Program: there are also an extensive range of other options available to students who are looking to take classes in other programs or departments.

Students may select relevant courses at the NYU Leonard N. Stern School of Business. In addition to regular courses in economics, students take courses in finance, accounting, international business, and operations research at Stern. Highly qualified M.A. students preparing for a Ph.D. program may also take courses in the graduate division of the Department of Mathematics at the Courant Institute of Mathematical Sciences, which offers advanced training in mathematics and its applications.

MA Economics students do not need the Economic Department’s permission to take a regular graduate course in Stern or to take a graduate math course in the Courant Institute if it is on the approved list. For example, students do not need approval to register for MATH-GA.1410 “Introduction to Math Analysis I”. (Students will need the permission of the Math Department or Stern Cross Registration)

**Stern Cross Registration:** Students wishing to take courses in Stern will need to fill out the [Stern Cross Registration form](#). After filling out the form with their information, Ian Johnson’s (econ.ma@nyu.edu) information under the advisor section, and the course information, they may submit the form to Ian who will send it to Stern for approval. A
list of courses are available [here](#), when you select “non-stern” and the respective semester.

**Courant Institute of Mathematical Sciences:** These courses are available through reaching out to Courant for a permission code.

**Other NYU Department Courses:** Occasionally students request permission to take courses outside of the pre-approved list of mathematics courses and also in other departments (e.g. the Politics Department). To do so they must fill out [this form](#) and send it to the Department’s Director of Graduate Studies.

**Economics Ph.D. Level Courses:** For students wishing to take courses in our Ph.D. program please fill out [this form](#) and send it to econ.ma@nyu.edu.

### 2.2.4 Special Project

Special Project in Economic Research (G31.3200) is most often taken in the final semester. The aim of the course is to integrate material and tools that have been taught throughout the M.A. program in addressing applied economic and policy problems. Students are encouraged to approach research questions from outside a narrow specialization and to consider linkages between different fields.

### 2.2.5 Repeating a Course

You may only repeat a course once. Both grades of both times you take the course will show on your transcript. But the second grade that you get will be the one that affects your GPA. The first grade will still show but it will not count towards GPA and will say repeatable course. If you get a lower grade the second time, it will still be the default grade that will contribute to the calculation of your GPA.

### 2.3 Curricular Practical Training

Curricular Practical Training (CPT) may be offered through the Advanced Practical Training course (ECON-GA 3300). Advanced Practical Training aims to significantly enhance students’ ability to apply economic tools in practice in real-world situations. To receive approval, the practical training must be directly related to a student’s program of study. For successful completion, students must prepare a short report in which they describe how the internship or practical training has enhanced their understanding of economics. Neither CPT nor the Advanced Practical Training Course is a requirement of the MA program. Students seeking to take this course must seek permission of the Director of Graduate Studies, be in good standing and have completed a minimum of 24 credits at the time of commencing their CPT. Advanced
Practical Training may be taken once for a maximum of 0.5 credits. This course is offered every semester. Grades for this course are pass/fail only.

In order to be considered for CPT, you must meet the following conditions:

- students must be in good standing (esp. GPA > 3.0)
- they should have 24 credits completed by the time they start their internship
- the internship must have a clear relationship to economics
- student must provide the full name of the organization, the physical address, the name of the relevant supervisor and his or her contact information (email and phone)
- the student must provide expected start and end date of the internship
- the CPT course can only be taken for 0.5 credits
- the CPT course can only be taken once (i.e. for one semester only) during the entire MA program. It cannot be repeated in a future semester. This is non-negotiable.

2.4 Additional Resources

The GSAS Policies and Procedures Manual explains everything you want to know about the procedural side of life as a graduate student at NYU. The manual is searchable. It is the go-to resource for answering questions about topics such as:

- coursework and assessment
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