



Portland State
UNIVERSITY

Economics Graduate Student Handbook 2020-2021

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I. Master's degrees in Economics

The Master of Science (MS) and Master of Arts (MA) programs in Economics at Portland State University offer students the opportunity to expand their knowledge of economics through coursework and interaction with a diverse group of faculty. The Graduate Student Handbook is designed to facilitate student progress through the program.

Should any questions arise, students are encouraged to seek the advice of the Department of Economics Graduate Committee Chair Professor Arnab Mitra. Students are also urged to consult the [University Bulletin](https://www.pdx.edu/academic-affairs/psu-bulletin) (pdx.edu/academic-affairs/psu-bulletin) and the [Graduate School](https://www.pdx.edu/gradschool) (pdx.edu/gradschool) regarding university requirements for the completion of a graduate degree at PSU. [The Graduate School's website](https://www.pdx.edu/gradschool/) (pdx.edu/gradschool/) provides a variety of information and forms useful to graduate students.

The MS and MA degrees differ in that the MA requires proficiency in a second language. The MS does not.

1. Admission Requirements

Application to the Master's program is online and can be accessed through the Graduate School's website. Please go to <https://www.pdx.edu/gradschool/> to access the application. You will need to have the following documents ready to upload into your application:

- a) Transcripts from EVERY college or university you have attended, even if you only took one course
- b) English-language proficiency test scores, if they have been taken, or the anticipated date for taking the exam (international students only)
- c) CV/Resume

Requirements for admission to the Master's program in the Department of Economics are as follows:

- 1) **GPA Requirements:** A minimum of 3.00 GPA in overall undergraduate coursework AND a minimum of a 3.00 GPA in economics coursework. If you have already completed graduate coursework, a cumulative GPA of 3.00 in all graduate credit earned at accredited institutions is required.
- 2) **Coursework:** The following undergraduate courses are required:
 - a) Intermediate Microeconomics
 - b) Intermediate Macroeconomics
 - c) Statistics
 - d) Econometrics
 - e) Univariate and Multivariate Calculus
 - f) Linear Algebra

Courses in Mathematical Economics and Advanced Calculus are recommended but not required.

- 3) **Testing:** The GRE is no longer required for admission. However, if you have taken it, you may submit it in the application if you choose to. Either the TOEFL or IELTS is required for University admission for international students, unless they have a U.S. university degree. See University minimum TOEFL/IELTS requirements at <https://www.pdx.edu/admissions/international/english-language-proficiency>. The GMAT with a score of 520 or higher may be considered in lieu of the GRE. **Applicants must upload a copy of their GRE/GMAT scores, complete the section requesting the scores or indicate the date the exam will be taken.**
- 4) **Statement of Purpose:** Approximately 500-word essay on goals and aspirations for the graduate program. This is to be done as part of the online application.
- 5) **Recommendations:** Three (3) letters of recommendation. It is preferred that at least two of the recommendations be from Economics professors. This is to be done as part of the online application.
- 6) **Transcripts:** A transcript from any university you have attended other than PSU must be uploaded to the online application. Upon acceptance to the University, official transcripts must be sent by your previous institutions to The Graduate School, Portland State University, P.O. Box 751, Portland, OR 97207-0751.
- 7) **Admissions Deadlines:** The Department of Economics follows a rolling admission policy for the graduate program. Even though the Departmental graduate committee reviews all submitted applications regardless of when they are submitted, the following deadlines are recommended.
 - Fall or Summer admission: February 1
 - Winter admission: September 1
 - Spring admission: November 1

For the Fall term, the priority application deadline is February 1st. Among the Fall term applicants who wish to be considered for Graduate Assistantship, preference is given to those who submit their application by the priority deadline of February 1st. We continue to consider applicants who submit their application after the priority deadline, but their likelihood of receiving a Graduate Assistantship is lower. All fall term applicants are strongly encouraged to submit their application prior to priority deadline.

2. Degree Requirements

To satisfy degree requirements toward a Master's in Economics, students must complete an eleven-course core requirement (44 credits) and 48 credits in total. Credit requirements beyond the core courses may be satisfied entirely with Economics elective courses or partially with a maximum of 4 credits of Economics research. Graduate courses from other departments may be substituted for Economics elective courses as long as they are approved by the

Graduate Committee of the Department of Economics. Courses taken at other departments may count for a maximum of 4 credits towards the MA degree in Economics. Students must request approval before they take such courses. They must submit a request form to the Graduate Committee by Friday of week 6 of the quarter preceding the quarter when they intend to take the course.

Students have two options for completing the economics electives and/or research requirements:

- a) Option 1: 4 credits of Economics electives
- b) Option 2: A combination of Economics elective courses and research credits that total to 4 credits. The research credits may be completed by taking EC 501 and EC 518.

Core Economics Courses:

- 1) EC 570 Econometrics (4)
- 2) EC 571 Advanced Econometrics (4)
- 3) EC 575 Applied Advanced Econometrics (4)
- 4) EC 576 Implementing Econometrics using Stata and R
- 5) EC 580 Mathematical Economics (4)
- 6) EC 581 Advanced Microeconomics (4)
- 7) EC 584 Applications of Advanced Microeconomic Theory (4)
- 8) EC 590 Advanced Macroeconomics (4)
- 9) EC 596 Research Project 1 (4)
- 10) EC 597 Research Project 2 (4)
- 11) EC 592 Applications of Advanced Macroeconomic Theory (4)

Economics Electives and/or Economics Research:

Only four units of electives are required. Students can choose from one four-credit elective course or a combination of EC 508 and/or EC 501.

Any transferred graduate economics credits that satisfy University requirements may be applied toward major electives. Core requirements may not be waived or substituted by course work from other PSU departments or institutions without the consent of the Graduate Committee. Students with questions concerning transferred credits should contact the Chair of the Graduate Program Professor Arnab Mitra.

Study Plans

For degree-planning purposes, below is an example of how students can structure their degree over a two-year period. Students are encouraged to meet with their assigned graduate advisor to determine the best schedule given current course offerings.

Note that students on financial aid or receiving graduate assistantships must be enrolled full time at 9 credits per term. Two MA courses amount to 8 credits, so most of these students take EC 518 (Seminar), or sometimes EC 501 (Research), for the additional credit.

Recommended Course Sequence

First or Second Year	Fall Term	Winter Term	Spring Term
First Year	EC 570 (Econometrics)	EC 571 (Adv Metrics)	EC 590 (Adv Macro)
	EC 580 (Math Econ)	EC 581 (Adv Micro)	EC 584 (Appl Micro)
	EC 501 or EC 518 (1 credit)	EC 501 or EC 518 (1 credit)	EC 501 or EC 518 (1 credit)
Second Year	EC 592 (Appl Macro)	EC 576	EC 596 Research Project II
	EC 575 (Appl Metrics)	EC 596 Research Project I	
	EC 501 or EC 518 (1 credit)	EC 501 or EC 518 (1 credit)	

Note: Core graduate courses are offered once each year, and not offered during the summer.

Second Language Requirement for the MA in Economics

The graduate second language requirement for the MA can be met in the following ways. The MS in Economics does not require second language proficiency.

1. Equivalent coursework: Students who have passed a course equivalent to PSU level 203 or higher in a second language (as judged by the chair of the Department of World Languages and Literatures) will be deemed to have met the language requirement.
2. Students who do not meet the requirement under 1) above should make an appointment with the Department of World Languages and Literatures during the first term after their admission to make an individualized plan for the completion of their language requirement. Options include:
 - a. A test of oral proficiency
 - b. A written test or
 - c. taking a course at level 203 or above after admission.

A student whose native language is not English may meet the second language requirement in English. For more details, see Advising and Placement in World Languages, [pdx.edu/admissions/international/english-language-proficiency](https://www.pdx.edu/admissions/international/english-language-proficiency).

3. Tuition and Fees

The standard sequence of classes in the MA/MS programs entails 9 course credits each quarter for three quarters. Tuition and fees for the standard sequence of classes for the first year of the MA/MS program are available at the Graduate Tuition and Fees webpage, <https://www.pdx.edu/student-finance/tuition/graduate>. The criteria for Oregon residency are explained at <https://www.pdx.edu/registration/residency-requirements>.

4. Graduate Assistantships

The Department of Economics offers several Graduate Assistantships each year. Graduate Assistants are paid according to University rates for the academic year. They also receive tuition

remission each term (the amount to be determined by the College at the beginning of each academic year).

Graduate Assistants are required to successfully complete at least 9 credit hours each term toward a graduate (MA/MS) degree in Economics. They will work approximately 15 hours/week assisting faculty with teaching. Depending on qualifications, Graduate Assistants may be assigned to tutoring undergraduate courses, proctoring exams, advise undergraduate students, or staff the Econometrics Lab.

At the conclusion of each term, the Department Chair will review the performance of each Graduate Assistant to ensure that he/she has fulfilled University and Department of Economics requirements for maintaining the assistantship. Graduate Assistants are expected to:

1. Complete a minimum of 9 credit hours of graduate coursework per term (this precludes incomplete courses, which will terminate the Graduate Assistantship).
2. Maintain a minimum 3.0 GPA, with no grades below B-.
3. Satisfactorily perform all duties each term.

The appointment of Graduate Assistantships may be terminated at any time due to unsatisfactory performance.

For first year applicants applying for a Graduate Assistantship:

On the online application, please indicate that you are applying for a Graduate Assistantship. You must upload a curriculum vitae or resume that includes a description of all relevant experience and qualifications. **YOU MUST APPLY** by February 1, 2021 to be considered for a Graduate Assistantship. This is a priority deadline. Applications received later will be considered if funding is available.

For second year Graduate Assistantship applicants:

An application in Google forms will be emailed to student interested in applying. Students need to complete and submit this through Google. You will need to indicate who the two faculty members are who are providing your recommendations. The form will be emailed to all graduate students.

A university-wide orientation for Graduate Assistants will be held in September followed by a department orientation for all graduate students.

Summary:

Teaching Assistant/Tutor/Lab Assistant: Several positions Available

Responsibilities:

Assist faculty with teaching. Provide tutoring for undergraduate students when needed. Advise undergraduate students regarding economic courses and major/minor requirements. Assist in the running of the Economics Lab and in maintaining the lab server. Assist faculty with grading

homework, supervising exams, and with departmental projects as needed. Report to Department Chair.

Compensation:

All Graduate Assistants will receive pay according to University rates, as well as a tuition waiver, providing they complete a minimum of 9 credit hours at the graduate level applicable toward the MA/MS degree in Economics.

5. Internships

Graduate students can arrange to receive credit for an internship by signing up for EC 504 (Cooperative Education/Internship). Credit for this course can be arranged by applying to the Graduate Committee before the course is undertaken.

6. Suggested math courses for students pursuing a Ph.D. in Economics

The courses are listed in order of priority for preparing for a Ph.D. program. Ph.D. programs usually require only multivariable calculus, linear algebra, and statistics. The courses below provide a stronger mathematical foundation and improve your admission chances. Real analysis in particular is challenging, but quite useful for showing Ph.D. programs that you will be fully prepared mathematically, strengthening your application. The courses in set theory and game theory are more specialized, appropriate for students interested in specializing in these areas.

Useful math courses for a PhD

Subject Area	Course Number (See PSU Bulletin for course prerequisites)
Advanced calculus	MTH 311, 312, 313
Applied Linear Algebra	MTH 343
Statistics	STAT 561, 562, 563 (Intro to Math Stat) STAT 567, 568 (Applied Probability)
Real Analysis	MTH 511, 512, 513
Set Theory	MTH 534, 535, 536
Game Theory	MTH 557, 558

7. Graduation Deadlines

Graduate students in the MA/MS Economics program must generally apply for a Graduate Certificate or Degree through Banweb in the term prior to graduation. See Graduate Candidate Deadlines at <https://www.pdx.edu/ogs/graduate-candidate-deadlines> for more information. Additional forms may be required in special cases; students are encouraged to consult with an advisor as well as familiarize themselves with University requirements. The table below lists the deadlines by which all forms are due. Electronic copies of these and other forms can be obtained from The Graduate School at www.pdx.edu/ogs/forms.

Questions regarding the Graduate Program? Contact the Graduate Committee:

1. Professor Arnab Mitra, amitra@pdx.edu, 503-725-3943

2. Professor John Gallup, jlgallup@pdx.edu, 503-725-3929
3. Professor Randall Bluffstone, bluffsto@pdx.edu, 503-725-3938
4. Professor Riju Joshi, riju@pdx.edu, 503-725-3934

Questions regarding the Admission Process? Contact:

Margie Port, mport@pdx.edu, 503-725-3974

II. Graduate Certificates

The Department of Economics offers three certificate programs:

- Graduate Certificate in Econometrics and Data Analysis
- Graduate Certificate in Environmental and Resource Economics
- Graduate Certificate in Sustainability

Graduate Certificate in Econometrics and Data Analysis

Goals of the Program

The objective of the certificate is twofold:

- 1) To put certificate students on a solid foundation in terms of the theoretical training required to perform advanced empirical work. We have two theoretical classes which students will be required to take to accomplish this.
- 2) To give students hands-on experience when it comes to working with data and equip them to do so with training that involves the most widely used statistical packages in the discipline — STATA and R.

Certificate Requirements

The Graduate Certificate in Econometrics and Data Analysis consists of three required courses and one elective course. The curriculum is designed to allow students to complete the certificate in one academic year.

Required Prerequisite Courses

- EC 311 or 415 Intermediate Micro
- MTH 254 Calculus IV
- MTH 261 Linear Algebra
- STAT 452 Applied Statistics for Engineers and Scientists II
- EC 469 Intro to Econometrics

Required econometrics core sequence (three courses):

- EC 570 Econometrics — offered fall term
- EC 571 Advanced Econometrics — offered winter term
- EC 576 Applied Econometrics with STATA and R — offered spring term

Elective Course

Any graduate course numbered EC 511 and above may satisfy the elective requirement. Elective courses should be selected in consultation with Professor Riju Joshi as advance approval may be required.

Applying to the Certificate Program

For Current PSU students

Currently enrolled graduate students at PSU can add the certificate to their master's or doctoral degree program by submitting a GO-19 form, www.pdx.edu/gradschool/forms. Submit the form directly to the Department of Economics. Courses in the certificate program can often double as course requirements for graduate degree programs. You must be in good academic standing to add the certificate to your degree program.

For Professionals and Post-Baccalaureate students

Professionals and post-baccalaureate students currently not enrolled at PSU may enroll solely in the certificate. Apply for the certificate program online at <https://www.pdx.edu/graduate-admissions/apply>. Relevant courses taken at PSU prior to acceptance into the certificate program apply toward the certificate requirements.

You will be asked for the following information:

- Name, contact information, and some personal details.
- Transcript(s) and Degree Information: You will be asked to upload a scan (an unofficial copy) of transcripts from each post-secondary institution you have attended. Please note that you will need to provide Official Transcripts if you are admitted to the certificate. For further details regarding graduate admissions, please visit the Office of Graduate Admissions.
- Emails for three professional letters of recommendation (a request for a recommendation letter will be automatically sent to the emails you provide)
- Resume/CV

Admissions Deadlines

The Graduate Certificate in Econometrics and Data Analysis students can join the program in Fall, Winter or Spring terms. The Department of Economics follows a rolling admission policy for all submitted applications, regardless of when they are submitted. However, the following deadlines are recommended to ensure students can start the in the designated term.

- Fall or Summer admission: March 1 if applicant is lacking prerequisites
- Winter admission: no applications are accepted for winter term
- Spring admission: September 1 if applicant has all prerequisites

We currently do not offer funding for certificate-only students. If you are a current student at PSU with a Graduate Assistantship, your funding may allow you to take the courses necessary for the Graduate Certificate in Sustainability. Please check with the Program Director for your main graduate program to verify if this is possible.

Question about the Graduate Certificate in Econometrics and Data Analysis? Contact:

- Professor Riju Joshi, Program Director, Graduate Certificate in Econometrics and Data Analysis, riju@pdx.edu, (503)725-3934

- Economics Department Graduate Certificate in Econometrics and Data Analysis information: www.pdx.edu/economics/academics/programs/graduate/econometric-and-data-analysis
- PSU Graduate Admissions: <https://www.pdx.edu/gradschool/>

Graduate Certificate in Environmental and Resource Economics

Goal of the Program

The Graduate Certificate in Environmental and Resource Economics provides students with an understanding of the critical linkages between economics and key environmental issues. It also offers an introduction to the most important analytical tools, including cost-benefit analysis.

Educational Objectives

- Develop a solid understanding of the major local, national and global environmental challenges
- Provide insights into how markets allocate natural resources and the market and government "failures" associated with the environment
- Introduce some of the tools used to analyze the effects of alternative resource and environmental regulations and policies.

Certificate Requirements

Completion of the certificate requires a total of 16 graduate credits including:

- Resource and Environmental Economics (EC 530)
- Cost-Benefit Analysis (EC 527)
- Economics of Sustainability: Theory and Practice (EC 522)
- Any one Graduate Economics Elective Courses (non-Economics courses with permission)

Environmental and Resource Economics Elective Courses

- Advanced Environmental Economics (EC 532)
- Business Environmental Management (EC 534)
- Global Environmental Economics (EC 543)

Applying to the Graduate Certificate in Environmental and Resource Economics

Admission to the Graduate Certificate in Environmental and Resource Economics program requires the following in addition to Portland State University's admission requirements:

1. A Bachelor's degree from an accredited institution with either a minimum cumulative GPA of 2.75 in all undergraduate courses or a cumulative GPA of at least 3.00 in all graduate credit earned at accredited institutions (a minimum of 9 letter-graded credits). Applicants with 0-8 credits of graduate work and cumulative undergraduate GPAs between 2.50 and 2.74 may be considered for conditional admission at the discretion of the Department. Applicants with 9 or more letter-graded graduate credits must have a cumulative graduate GPA of at least 3.00.

2. Completion of principles of microeconomics course or equivalent with a letter grade of B or higher. Undergraduate intermediate microeconomics and econometrics courses are recommended prior to enrollment, but not required.
3. A written statement of purpose, one to two pages in length, detailing future aspirations and past experience with environmental and resource economics.
4. Two letters of recommendation.

How to Apply:

Non-PSU students

All applicants must apply to the Economics Department using the online application located at www.pdx.edu/admissions/apply-to-grad-school.

Requirements for admission to the Economics Graduate Certificate in Environmental and Resource Economics are as follows:

1. University Graduate Admission application.
2. Scan transcripts from each institution you have attended (except PSU) into your online application. If you are accepted, you will be required to submit official transcripts from all colleges or universities attended as the final verification step after enrolling in your program.
3. Statement of purpose: a written statement, 1-2 pages in length, detailing your future aspirations and past experience with environmental and resource economics. This is part of the online application.
4. Two letters of recommendation, preferably from former or current faculty members. You will submit these names and emails as part of the online application and those individuals will get emails notifying them of your request.

PSU Non- Economics Students

If you are currently an admitted non-Economics student in to a Master's or Ph.D. degree program at PSU, you will need to use the GO-19 form from <http://www.pdx.edu/gradschool/forms> to request the addition of the Graduate Certificate program. You must be in good academic standing. Be sure to have your current department chair or graduate committee chair sign the form before submitting it to the Economics Department. *Submit the form directly to the Department of Economics.*

Admissions Deadlines

The Graduate Certificate in Environmental and Resource Economics students can join the program in Fall, Winter or Spring terms. The Department of Economics follows a rolling admission policy for all submitted applications, regardless of when they are submitted. However, the following deadlines are recommended to ensure students can start in the designated term.

- Fall or Summer admission: February 1
- Winter admission: September 1

- Spring admission: November 1

We presently do not offer funding for certificate-only students. If you are a current student at PSU with a Graduate Assistantship, your funding may allow you to take the courses necessary for the Graduate Certificate in Environmental and Resource Economics. Please check with the Program Director for your main graduate program to verify if this is possible.

Questions regarding the Graduate Certificate in Environmental and Resource Economics?

Contact:

- Professor Randy Bluffstone, Program Director, Graduate Certificate in Environmental and Resource Economics, bluffsto@pdx.edu, 503-725-3938
- Economics Department Graduate Certificate in Environmental and Resource Economics information:
<https://www.pdx.edu/economics/academics/programs/graduate/environmental-and-resource-economics>

Graduate Certificate in Sustainability

Goals of the Program

Addressing the world's toughest challenges—from urban development to climate change and eliminating poverty to achieving sustainable globalization—requires unprecedented collaboration and knowledge from every field.

Portland State University's Graduate Certificate in Sustainability provides students with an in-depth understanding of sustainability and the connections between social, environmental, and economic systems, and equips them with the knowledge to apply sustainable, integrated problem-solving approaches in their lives and careers.

The graduate certificate is open to students from all areas of study and professional backgrounds.

- Current students can add the certificate to their degree and often classes from your degree can double-count for the certificate.
- Professionals and post-baccalaureate students may enroll solely in the certificate.

Graduates of the certificate pursue careers in a broad variety of fields, from engineering and urban planning to teaching, communications, and business.

Certificate Requirements

Students must complete four core courses and seven credits of elective courses:

Core Courses (15 graduate credits):

- Economics of Sustainability (ECON 522)
- Environmental Sustainability (ESM 588)

- Sustainable Development Practices (USP 588/688)
- Environmental Sociology (SOC 565)

Elective Courses

Elective courses are offered by various departments across campus, such as urban studies, education, history, public administration, geography, and social work. Currently offered electives are listed on the Graduate Certificate in Sustainability Elective Courses webpage, <https://www.pdx.edu/economics/academics/programs/graduate/sustainability-graduate-certificate>. Similar relevant courses may be substituted for the elective course. Please contact the Program Director to request a substitute.

Applying to the Certificate Program

For Current PSU students

Currently enrolled graduate students at PSU can add the certificate to their master's or doctoral degree program by submitting a GO-19 form, www.pdx.edu/gradschool/forms. Submit the form directly to the Department of Economics. Courses in the certificate program can often double as course requirements for graduate degree programs. You must be in good academic standing to add the certificate to your degree program.

For Professionals and Post-Baccalaureate students

Professionals and post-baccalaureate students currently not enrolled at PSU may enroll solely in the certificate. Apply for the certificate program online at <https://www.pdx.edu/admissions/apply-to-grad-school>. Relevant courses taken at PSU prior to acceptance into the certificate program apply toward the certificate requirements.

You will be asked for the following information:

1. Name, contact information, and some personal details.
2. Transcript(s) and Degree Information: You will be asked to upload a scan (an unofficial copy) of transcripts from each post-secondary institution you have attended. *Please note that you will need to provide Official Transcripts if you are admitted to the university. For further details regarding graduate admissions, please visit the Graduate School, <https://www.pdx.edu/gradschool/>.
3. Emails for three professional letters of recommendation (a request for a recommendation letter will be automatically sent to the emails you provide)
4. Resume/CV

Admissions Deadlines

The Graduate Certificate in Sustainability students can join the program in Fall, Winter or Spring terms. The Department of Economics follows a rolling admission policy for all submitted applications, regardless of when they are submitted. However, the following deadlines are recommended to ensure students can start the certificate in the designated term.

- Fall admission: June 30
- Winter admission: October 26

- Spring admission: February 4

We currently do not offer funding for certificate-only students. If you are a current student at PSU with a Graduate Assistantship, your funding may allow you to take the courses necessary for the Graduate Certificate in Sustainability. Please check with the Program Director for your main graduate program to verify if this is possible.

Questions about the Graduate Certificate in Sustainability? Contact:

- Professor Sahan Dissanayake, Program Director, Graduate Certificate in Sustainability, sahan@pdx.edu, 503-725-3915
- Economics Department Graduate Certificate in Sustainability information, <https://www.pdx.edu/economics/academics/programs/graduate/sustainability-graduate-certificate>

III. Faculty Areas of Specialization

FULL-TIME FACULTY	SPECIALIZATION
Grace Arnold, Assistant Professor 503-725-3931 garnold@pdx.edu	Labor and Health Economics
Randall Bluffstone, Professor and Program Director, Graduate Certificate in Environmental and Resource Economics 503-725-3938 bluffsto@pdx.edu	Environmental & resource economics, including climate change, energy, pollution control and deforestation in low-income countries
Sahan Dissanayake, Assistant Professor and Program Director, Graduate Certificate in Sustainability 503-725-9315 sahan@pdx.edu	Environmental Economics, Natural Resource Economics, Mathematical Programming, Ecosystem Services, Non-Market Valuation
John Gallup, Associate Professor 503-725-3929 jlgallup@pdx.edu	Economic Development, Health Economics, Distribution and Inequality, Geography
John Hall, Professor 503-725-3939 hallj@pdx.edu	Comparative Economic Systems, Evolutionary-Institutional Economics, Economics of Innovation, Frontier Economy of Amazon River Valley
Hiro Ito, Professor and Department Chair 503-725-3930 ito@pdx.edu	Monetary economics, International finance, Economic development, Asian economics
Riju Joshi, Assistant Professor and Program Director, Graduate Certificate in Econometrics and Data Analysis 503-725-3934, riju@pdx.edu	Applied Economic Methodology

FULL-TIME FACULTY	SPECIALIZATION
Arnab Mitra, Associate Professor 503-725-3937 arnab@pdx.edu	Behavioral Economics, Environmental Economics, and Microeconomics
Cesar M. Rodriguez, Associate Professor and Graduate Director 503-725-3943 cesar.rodriguez@pdx.edu	International Macroeconomics, Growth and Development Economics, Latin American Economies
Rajiv Sharma, Professor 503-725-3925 sharmar@pdx.edu	Access and disparities in health care; consumer preferences and behavior; cost-effectiveness analysis
Sarah Tinkler, Professor 503-725-3933 tinkler@pdx.edu	Economics education, computational linguistics, health economics
J. Forrest Williams, Assistant Professor 503-725-3908 forrest.williams@pdx.edu	Behavioral Economics, Charitable Giving, Experimental Economics
Jamie Woods, Assistant Professor and Undergraduate Director 503-465-4883 woods@pdx.edu	Energy Economics

PART-TIME FACULTY	COURSES TAUGHT
Trish Atkinson Adjunct Faculty paa@pdx.edu	Principles of Microeconomics, Principles of Macroeconomics
Eric Fruits Adjunct Faculty fruits@pdx.edu	Urban Economics
Peter Huelsman Adjunct Faculty hulseman@pdx.edu	Principles of Microeconomics, Principles of Macroeconomics
Chantha Kim Adjunct Faculty chantha@pdx.edu	Principles of Microeconomics, Principles of Macroeconomics
Sudeshna Pal Adjunct Faculty sudeshna@pdx.edu	Microeconomic Theory, Macroeconomic Theory, Economics of Environmental Issues, Money & Banking, Economics of Developing Countries
Mike Paruszkiewicz Adjunct Faculty mpar2@pdx.edu	Principles of Microeconomics, Principles of Macroeconomics
Peter Stiffler Adjunct Faculty stiffler@pdx.edu	Economics of Environmental Issues