AGENDA
THE GRADUATE CENTER
THE CITY UNIVERSITY OF NEW YORK
THE GRADUATE COUNCIL
Wednesday, October 21, 2020
Via Zoom

I. Approval of the Minutes: May 6, 2020
   Pres. Garrell p.11

II. Granting of Degrees and Certificates to September 2020
    Candidates (Ph.D., M.Phil., M.A., M.S., AuD, DMA)
    Please note: only faculty vote on this item
    Int.Provost Wrigley App.

III. Opening Comments
     Pres. Garrell

IV. Nominations for two faculty to serve on the Student
    Complaint Appeals Committee for 2020-2021
    Please note: only faculty can make nominations
    Prof. Faherty

V. Nominations for Chair, Vice-Chair, and Secretary of
   Graduate Council for 2022-2022
   Prof. Faherty

VI. Committee on Committees
    Presentation of nominees for Standing Committees
    for 2020-2022
    Please note: Faculty vote for faculty, students vote for students.
    Prof. Faherty

VII. Committee on Curriculum and Degree Requirements
     Prof. Valerie Shafer

     A. Major Items

1. Ph.D. Program in Latin American, Iberian, and Latino Cultures (LAILAC) –
   bulletin changes including ending GRE requirement
   p. 14

2. Ph.D. Program in Criminal Justice – bulletin changes
   p. 15

3. Ph.D. Program in Economics – new courses -
   81230 Machine Learning for Economists, 81360 Computational Methods for Economists
   p. 17

VIII. Doctoral admissions policy for fall 2021
     Prof. Martin Burke

IX. University Faculty Senate – Report
    Prof. Robert Nolan

X. New Business
The Graduate School and University Center
The Graduate Council
2020-2021

(Nonvoting Members)

President        Dr. Robin Garrell
Interim Provost and Senior Vice President    Dr. Julia Wrigley
Associate Provost and
Dean for Academic Affairs    Dr. David Olan
Dean for the Sciences    Dr. Josh Brumberg
Vice President for Student Affairs    Matthew Schoengood
Interim Vice President for Finance and Administration     Brian Peterson
Assistant Vice President for IT     Elaine Montilla
Vice President for Institutional Advancement    Jay Golan
Interim Vice President for Communication and Public Affairs    Wendy DeMarco Fuentes
Executive Director of Research and Sponsored
Programs    Edith Gonzalez
Chief Librarian (Acting)    Professor Emily Drabinski

Executive Committee of Graduate Council

Professor Martin Burke (Chair)
Professor Peter Eckersall (Vice-Chair)
Professor Giancarlo Lombardi (Chair, Structure Committee)
Professor Valerie Shafer (Chair, Curriculum and Degree Committee)
Professor Barbara Weinstein (Rep. Doctoral Faculty Policy Committee) (voting member)
Prof. Robert Nolan (UFS representative, ex officio)
Duncan Faherty (Acting Secretary of the Council) (voting member)
Sara Ortiz (USS Delegate)
Roderick Hurley (DSC Co-Chair) (voting member)
Interim Provost – Julia Wrigley (ex officio)
Executive Officers and Directors (Voting Members)

Anthropology
Art History
Audiology
Biochemistry
Biography and Memoir
Biology
Business
Chemistry
Classics
Cognitive Neuroscience
Comparative Literature
Computer Science
Criminal Justice
Data Science
Digital Humanities
Data Analysis and Visualization
Earth and Environmental Sciences
Economics
Educational Opp. Div. Programs
Educational Psychology
English
French
History
Interdisciplinary Research
International Migration Studies
Latin American, Iberian and Latino Cultures
Liberal Studies
Linguistics
Mathematics
Middle Eastern Studies
Music
Nanoscience
Nursing Science
Philosophy
Physics
Political Science
Psychology
Quantitative Methods in the Social Sciences
Social Welfare
Sociology
Speech-Language-Hearing Sciences
Theatre and Performance
Urban Education
Women’s and Gender Studies

Professor Jeff Maskovsky
Professor Rachel Kousser
Professor Brett Martin
Professor Sebastian Poget
Professor Sarah Covington
Professor Cathy Savage-Dunn
Professor Karl Lang
Professor Yolanda Small
Professor Jennifer Roberts (Acting)
Professor Tony Ro
Professor Giancarlo Lombardi
Professor Ping Ji
Professor Deborah Koetzle
Professor Ping Ji
Professor Matthew K. Gold
Professor Matthew K. Gold
Professor Monica Varsanyi
Professor Christos Giannikos
Professor Martin Ruck
Professor Bruce Homer
Professor Kandice Chuh
Professor Maxime Blanchard
Professor Joel Allen
Professor Duncan Faherty
Professor Richard Ocejo
Professor Carlos Riobó
Professor Elizabeth Macaulay-Lewis
Professor Gita Martohardjono
Professor Ara Basmajian
Professor Simon Davis
Professor Norman Carey
Professor Michele Vittadello
Professor Barbara DiCicco Bloom
Professor Nickolas Pappas
Professor Alexios Polychronakos
Professor Alyson Cole
Professor Richard Bodnar
Professor Jeremy Porter
Professor Harriet Goodman
Professor Lynn Chancer
Professor Mira Goral
Professor Peter Eckersall
Professor Wendy Luttrell
Professor Dana Ain Davis

Certificate Programs (Voting Members)

Africana Studies

Professor Carla Shedd (Acting)
American Studies  Professor Eric Lott
Critical Theory  Professor John Brenkman
Demography  Professor Neil Bennett
Film Studies  Professor Edward Miller
Global Early Modern Studies  Professor Sara McDougall (Acting)
Interactive Technology and Pedagogy  Professor Carlos Hernandez (Acting)
Medieval Studies  Professor Steve Kruger
Women’s Studies  Professor Dana Ain Davis

Chair, Doctoral Faculty Policy Committee (Voting Members)
Prof. Martin Burke

Doctoral Students Council (Voting Members)
Roderick Hurley
Sharanya Dutta
Adam Kocurek
Natacha L. Pawa (UFS Liaison)
Sara Ortiz (USS Delegate) (non-voting)

Chairs – Standing Committees of Graduate Council (Voting Members)
Executive Committee of Graduate Council
   Chair – Professor Martin Burke
Committee on Committees
   Chair – Professor TBA
Committee on Curriculum and Degree Requirements
   Chair – Professor Valerie Shafer
Committee on Research
   Chair – Dr. Edith Gonzalez
Information Technology Committee
   Chair – Professor Matt Gold
Library Committee
   Chair – Professor TBA
Committee on Structure
   Chair – Professor Giancarlo Lombardi
Committee on Student Services
   Chair – Shu Yuan Cheng, Acting
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<td>Professor Van Tran</td>
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<td>Maria del Rocio Carranza Brito</td>
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<td>Professor Roseanne Flores</td>
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<td>Professor H. Philip Ziegler</td>
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<td>Professor Jeremy Porter</td>
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<td>Alex Johnson</td>
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Fall 2020

Centers and Institutes – Non-voting Members

Prof. Anne Volk
American Social History Project/Center for Media and Learning

Dr. Barbara Dobbs MacKenzie
Barry S. Book Center for Music Research and Documentation

Prof. Mauricio Font
Bildner Center for Western Hemisphere Studies

Prof. Deborah Hecht
Center for Advanced Study in Education (CASE)

Prof. Roger Hart
Center for Human Environments

Prof. Francesca Bregoli
Center for Jewish Studies

TBA
Institute for Sephardic Studies

TBA
The Rosenthal Institute for Holocaust Studies

Prof. Laird Bergad
Center for Latin American, Caribbean and Latino Studies

Prof. Justin Brown
Center for Lesbian and Gay Studies (CLAGS)

Prof. Peter Hitchcock
Center for Place, Culture, and Politics

Prof. Keith Wilson
Center for the Humanities

Prof. Alberta Gatti
Center for Integrated Language Communities

Prof. Dana Ain Davis
Center for the Study of Women and Society

Prof. John Mollenkopf
Center for Urban Research
Dr. Joseph Pereira  
CUNY Data Service

Steven Romalewski  
CUNY Mapping Service

Lesley Hirsch  
New York City Market Information Service (NYCLMIS)

Prof. Kathleen McCarthy  
Center on Philanthropy and Civil Society

Prof. Ted Brown  
CUNY Institute for Software Design and Development (CISDD)

Prof. Juliette Blevins  
Endangered Language Initiative

Prof. Patrizia Nobbe  
European Union Studies Center

Prof. Cathy Davidson  
Futures Initiative

Prof. Matthew Gold  
GC Digital Initiatives

Prof. Peter Aigner  
Gotham Center for New York City History

Prof. Francesca Sautman  
Henri Peyre French Institute

Prof. Sophia Perdikaris  
Human Ecodynamics Research Center (HERC)

Prof. William Bialek  
Initiative for the Theoretical Sciences

Prof. Alberta Gatti  
Institute for Language Education in Transcultural Context

Prof. Herman Bennett  
Institute for Research on the African Diaspora in the Americas & the Caribbean (IRADAC)

Prof. Ken Wissoker  
Intellectual Publics
Prof. Katherine Carl
James Gallery

Katherine Lu Hsu
Latin/Greek Institute

Prof. Kai Bird
Leon Levy Center for Biography

Prof. Janet Gornick
James M. and Cathleen D. Stone Center on Socio-Economic Inequality

Prof. Frank Hentschker
Martin E. Segal Theatre Center

Prof. Beth Baron
Middle East and Middle Eastern American Center (MEMEAC)

Prof. John Torpey
Ralph Bunche Institute for International Studies

Prof. Gita Martohardjono
Research Institute for the Study of Language in Urban Society (RISLUS)

Prof. Duncan Faherty
Revolutionizing American Studies Initiative

Prof. Romina Padro
The Saul Kripke Center
The Graduate Council
The Graduate Center
Minutes of the Meeting May 6, 2020, 3 p.m.
Via Zoom

Present: Interim President James Muyskens, Associate Provost David Olan, Dean Josh Brumberg; Dean Julie Suk; Associate Dean Yun Xiang; VP Matthew Schoengood, VP Jay Golan; Interim VP Brian Peterson; Interim VP Wendy DeMarco Fuentes; Interim VP Pinar Oguz; Vin DeLuca, Phyllis Schulz, Lynette Phillips, Barbara Fish, Paula Fleisher, Bonnie Eisner, Kimberly McBryan, Patti Myatt, Rachel Sponzo.

Students: Lauren Abruzzo, Katarina Anzulovic, Sara Babad, Nora Izumi Bartosik, Genevieve Bettendorf, Alexis Brewer, Maria Carranza Brito, Justin Beauchamp, Jozette Belmont, Genevieve Bettendorf, Shannon Brick, Matthew Builes, Priscilla Bustamante, Elizabeth Che, Anna Chichi, Erin Cully, Ruijiao Dong, Roman Garcia, Stephanie Huber, Roderick Hurley, Bertrand Ithurburn, Alexandra Johnson, Raj Korpan, Tenn Joe Lim, Marianne Madore, Victoria Martin, Mary Jean McNamara, Lisa Milsaps, Stefano Morello, Chaya Nove, Alysha Rafeeq, Daisy Reyes, Elsa Saade, Amanda Sanservino, Monique Sosnowski, Robert Utziger, Alicen Weida, Annalsia Wilde, Milo Ward

I. Approval of the Minutes: December 11, 2019 – approved

II. Granting of Degrees and Certificates to May 2020 Candidates – approved

III. Opening Comments and Discussion
Interim President Jim Muyskens welcomed the participants provided the Graduate Council with several updates:

a. Support to graduate students: The GC has been raising funds to provide support to graduate students during the pandemic.

b. Interim Provost Julia Wrigley: She expects to return to work June 1. She is doing well and we eagerly welcome her back.

c. Fellowships and Awards: the GC has had four students awarded IIE Fulbright fellowships and two faculty members have recently received honors. Professor Richard Alba (Sociology) has been elected to the National Academy of Sciences and Professor Miranda Fricker (Philosophy) has been elected a member of the American Academy of Arts and Sciences.

d. ASRC relief efforts: the ASRC is contributing to the coronavirus relief efforts both through research and donations of supplies to local hospitals.

e. Middle States: the site visit has been rescheduled to October 4 -7. This will almost certainly be a virtual visit.

f. Commencement update: all in-person ceremonies have been cancelled at CUNY. The Graduate Center students overwhelmingly wanted an in-person event, rather than virtual, so the GC commencement will be postponed until a future date when the ceremony can be in-person. George Takei, the 2020 honorary degree recipient, will attend the GC 2021 commencement. Many individual programs have planned virtual celebrations with their graduates.
g. Dissertation Showcase: it will continue to be held and will be virtual this year.

h. New president: Dr. Robin Garrell will start at the GC on August 1st.

IV. Committee on Curriculum and Degree Requirements
   Professor Valerie Shafer, chair of the committee, presented the following items for the Council’s approval. All items were approved.
   a. Major Items
      i. Ph.D. Program in Comparative Literature – new course 89801 – MA Independent Research
      ii. Certificate Program in Demography – new course – 70300 – Spatial Demography
      iii. MS Program in Data Analysis and Visualization – bulletin changes
      iv. Ph.D. Program in Psychology– Bulletin changes
      v. Ph.D. Program in Criminal Justice– Bulletin changes
      vi. Ph.D. Program in English – new course – 89600 – Studies in Digital Humanities
      vii. MA Program in Biography and Memoir – Bulletin Changes
      viii. Urban Education – Bulletin Changes
      ix. Speech Language Hearing – Bulletin Changes including ending GRE requirement
      x. Philosophy – New MA concentration
      xi. Physics – new course – Photonics
   b. Minor Items
      i. MS Program in Data Analysis and Visualization – 2 revised courses

V. Structure Committee
   Professor Giancarlo Lombardi, chair of the committee, presented the following item for the Council’s approval.
   a. History – revised governance
      i. The discussion of the History Program revised governance had been tabled at the December 2019 meeting and the discussion was re-opened. The EO of History provided additional background and clarification. The council discussed the proposal.
      ii. A suggestion was made to remove “Only” from “Only faculty members vote.” In Section II.1. (p. 54 of agenda).
      iii. Approved.
   b. MA International Migration Studies – governance – approved with no discussion
   c. MS Data Analysis and Visualization– governance – approved with no discussion
   d. MA Digital Humanities – governance – approved with no discussion
   e. MS Quantitative Methods – governance – approved with no discussion

VI. University Faculty Senate Report
   Professor Robert Nolan gave a brief update on the UFS Elections: The Graduate Center has five positions on the UFS after recent elections, including the chair, and has a strong group of representatives.

VII. Presentation of Annual Reports of Standing Committees - Prof. Duncan Faherty
   a. Professor Faherty thanked the GC’s former Chief Librarian Polly Thistlethwaite for her service. She is currently serving as CUNY’s Interim University Dean for Library Services. Professor Faherty also thanked Patti Myatt, Executive Director of Academic Affairs for her work in organizing all of the GC’s standing committees.
   b. Reports presented:
      i. Executive Committee of Graduate Council: (Chair) Prof. Martin Burke
      ii. Committee on Committees: (Chair) Prof. Polly Thistlethwaite
      iii. Committee on Curriculum and Degree Requirements: (Chair) Prof. Duncan Faherty
      iv. Committee on Information Technology: (Chair) Prof. Matt Gold
      v. Library Committee: (Chair) Prof. Polly Thistlethwaite
vi. Committee on Research: (Chair) Dr. Edith Gonzalez
vii. Committee on Structure: (Chair) Prof. Giancarlo Lombardi
viii. Committee on Student Services: (Chair) Prof. Serena Chen (Acting)
ix. Student Academic Appeals Committee

VIII. Resolution of Appreciation for Prof. Polly Thistlethwaite – Professor Martin Burke offered a resolution of appreciation to Professor Thistlethwaite for her service to governance at the GC. The members of Graduate Council concurred.

IX. Election postponement: The Executive Committee of Graduate Council voted to postpone elections to the fall semester. The current committees will continue to serve until then.

X. New Business
   a. Interim President Muyskens remained on the zoom meeting after for informal discussion with Graduate Council members.

The meeting was adjourned at 4 p.m.
All.1 Bulletin Changes
Program: PhD Program in Latin American, Iberian and Latino Cultures (LAILAC)

Program Code: 
Effective:

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<td>SPECIAL REQUIREMENTS FOR ADMISSION</td>
<td>SPECIAL REQUIREMENTS FOR ADMISSION</td>
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<td>In addition to meeting the general University requirements for admission stated earlier in this bulletin, the applicant must have completed a bachelor of arts degree in the Humanities and/or Social Sciences and an academic and/or professional trajectory that has provided them with significant knowledge of Iberian and/or Latin American cultures, language, and literatures. The Admissions Committee will decide whether the applicant is sufficiently prepared to pursue doctoral work.</td>
<td>In addition to meeting the general University requirements for admission stated earlier in this bulletin, (with the exception of the Graduate Record Examination [GRE], which is not required), the applicant must have completed a bachelor of arts degree in the Humanities and/or Social Sciences and an academic and/or professional trajectory that has provided them with significant knowledge of Iberian and/or Latin American cultures, language, and literatures. The Admissions Committee will decide whether the applicant is sufficiently prepared to pursue doctoral work.</td>
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Rationale:
The GRE is not a good predictor of student success. It favors applicants with racial and class privilege. Removing the requirement is, for these reasons, in line with CUNY’s mission.
PART A: ACADEMIC MATTERS

Section AII: Changes in Generic Degree Requirements

AII.1 The following revisions are proposed for the
Program: Criminal Justice
Program Code: 81003
Effective: Fall 2020

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Core Curriculum Students who enter the program in Fall 2020 or later must take the core curriculum, which is composed of six three-credit survey courses and two four-credit survey courses, totaling 26 credits. Four of the required core courses (CRJ 70000; CRJ 70100; CRJ 70200; CRJ 70300) are survey courses in research and quantitative methods. Four of the required core courses (CRJ 76100; CRJ 70400; CRJ 70500; CRJ 70600) are substantive courses that serve as foundational courses in criminology and criminal justice. All core doctoral students are expected to take the required core courses, with the exception of CRJ 70600, during their first year of matriculation. Students are expected to take CRJ 70600 during their second year of study. Students who are full-time working professionals are expected to complete the core courses before the end of the second year of doctoral study. Additionally, all doctoral students must take a professional development course, Dissemination of Knowledge (CRJ 76200) in their second year. In addition, they must take a tools course such as Publishing (CRJ 88200), Grant Writing (CRJ 88200), or other approved elective, and an Advanced Research Methods or an Advanced Quantitative Methods course (CRJ 80100 and CRJ 80200) in their second or third year of doctoral course work. Students who do not receive a grade of B or better in any of the core courses may be dropped from the program by action of the Executive Committee. Those receiving a grade of less than B who are permitted to remain in the program may be required to repeat the course or take additional specific work. Students who receive a permanent incomplete grade in any of the eight required core courses must repeat the course. In addition, all students must take three criminal justice program electives, one during their first year.
Rationale:
We are requiring that students take a minimum of three criminal justice electives to address a gap in our curriculum, which has enabled some of our students, in the past, to complete their degrees without sufficient exposure to core areas of criminal justice scholarship.
### SECTION AIV: NEW COURSES

#### AIV.1

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<th>Course Number</th>
<th>81230</th>
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<tr>
<th>Course Title</th>
<th>Machine Learning for Economists</th>
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**Catalogue Description**

Recent developments in artificial intelligence and constantly growing computational power provide economists with unprecedented capacities for the data analysis. This course provides a broad overview of numerical methods at the intersection of mathematics, statistics and computer science that constitute the workhorse of the modern data analytics. In particular, the course provides an introduction to machine learning, deep learning, reinforcement learning, parallel computing and big data methods, as well as data manipulation, visualization, presentation and interpretation techniques. The studied applications are not limited to conventional econometric regressions models but contain some prominent examples from computer science, such as recognition of handwritten numbers. The course also introduces students to programming in Python with the emphasis on economic applications.

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<tr>
<th>Pre/Co Requisites</th>
<th>This course assumes having completed the first-year PhD-level microeconomics, macroeconomics and econometrics sequences. Good knowledge of Python programming languages is recommended but not required, as long as a student is ready to learn it as she goes.</th>
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<th>Credits</th>
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<p>| Course Attribute (e.g. Writing Intensive, Honors, etc) |  |</p>
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Overview:
Recent developments in artificial intelligence and constantly growing computational power provide economists with unprecedented capacities for the data analysis. This course provides a broad overview of numerical methods at the intersection of mathematics, statistics and computer science that constitute the workhorse of the modern data analytics. In particular, the course provides an introduction to machine learning, deep learning, reinforcement learning, parallel computing and big data methods, as well as data manipulation, visualization, presentation and interpretation techniques. The studied applications are not limited to conventional econometric regressions models but contain some prominent examples from computer science, such as recognition of handwritten numbers. The course also introduces students to programming in Python with the emphasis on economic applications.

Learning goals and outcomes:
1) Demonstrate good understanding of the existing machine-learning techniques.
2) Develop good programming skills.
3) Demonstrate the ability to use the existing machine-learning techniques for analyzing the given economic problem.
4) Demonstrate the ability to find new research questions in light of existing theories.

Assessment:
The grade breakdown is as follows:
(1) Mandatory attendance (5%).
(2) Problem sets (30%). These problem sets provide opportunities to bring lecture material into practice, and they will emphasize coding in Python. This assignment relates to learning goals 1), 2), 3) and 4).
(3) Midterm exam (25%). This relates to learning goals 1), 2) and 3).
(4) Final exam (40%). This relates to learning goals 1), 2) and 3).

Programming Languages:
We will use Python. Most of the modern data science applications are written in Python, supplemented with data-science platforms such as Google TensorFlow and Scikit. An additional advantage of Python is that it is an open source software. All the problem sets will use examples and data related to economics.

Course Outline:
1) Introduction to Python.
2) Linear regression: cost function and gradient descent
3) Logistic regression and classification
4) Overfitting and regularization
5) Neural networks
6) Testing hypothesis: bias vs. variance
7) Support vector machines 8) Unsupervised learning
9) Dimensionality reduction
10) Anomaly detection
11) Recommender systems
12) Large-scale machine learning
13) Reinforcement learning: computer games versus dynamic economics models
14) Data science with Python, TensorFlow and Scikit
15) **Note:** The content is subject to changes depending on the student’s progress and feedback

**Rationale:**

Machine learning has become a tool widely used in various academic disciplines. In economics it has acquired high significance, along with computational economics, given the increasing availability of huge data sets. Hence, economists need to understand the intersection of mathematics, statistics and computer science that constitute the workhorse of modern data analytics. This course has always exceeded maximum capacity when offered as a special topics course. The course overlaps no other course in the program; No course will be dropped as a result of offering this course.
### SECTION AIV: NEW COURSES

#### AIV.1

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<tr>
<th>CUNYfirst Course ID</th>
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<td>Course Title</td>
<td>Computational Methods for Economists</td>
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<td>Catalogue Description</td>
<td>This course explores computational approaches for solving dynamic economic models. First, it provides background in numerical analysis and describes local and global numerical methods. Second, it shows applications from recent economic literature representing challenges to computational methods. Finally, it surveys recent developments in software and hardware, as well as machine learning techniques.</td>
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Overview
This course studies computational approaches for solving dynamic economic models. The objectives of the course are threefold.

1. It provides background in numerical analysis (approximation, integration, optimization, error analysis), and describes local and global numerical methods (perturbation, Smolyak, endogenous grid, stochastic simulation, cluster grid methods).
2. It shows applications from recent economic literature representing challenges to computational methods (new Keynesian models with a zero lower bound, default risk models, Krusell-Smith models, international trade models, overlapping-generations models, nonstationary growth models, dynamic games).
3. It surveys recent developments in software and hardware (Python, Julia, GPUs, parallel computing, supercomputers), as well as machine learning techniques.

Learning goals and outcomes
1. Demonstrate good understanding of the existing numerical techniques used for solving dynamic economic problems.
2. Develop good programming skills.
3. Demonstrate the ability to build a solution algorithm suitable for the given economic problem.
4. Demonstrate the ability to find new research questions in light of existing theories.
5. Demonstrate the ability to design a theoretical model aimed at answering potentially interesting research questions in the field.
6. Develop writing skills consistent with the requirement of professional publications.

Assessment
The course grade will be based on
1. Individual problem sets (40%). These problem sets provide opportunities to bring lecture material into practice. This assignment relates to learning goals (1), (2) and (3).
2. A group project (20%). Each group will study and present in class an existing computational technique. This relates to learning goal (1) and (2).
3. A final individual project (40%). Each student will write a short research paper in which computational methods are used to address some relevant economic questions and will present the results in class. This assignment relates to learning goals (4), (5), and (6).

Rationale
Computational Methods for Economists introduces and develops various techniques used for computations in doing work in economics. This is crucial in today’s world of high technology and heavy data requirements. This class also lays the foundation for numerical analysis and shows how current computational methods can be applied. Such skills are necessary for every economist competing in today’s Ph.D. employment market. The course overlaps no other course in
the program, and no course will be dropped as a result of offering it. We have been offering this course during the last couple of years as a special topics course with high enrollment.