

# Northwestern | Economics

## ACCEPTABLE PhD FIELD COURSE SEQUENCES – AY 2022-23

Nine Approved Field Courses that must include:

- a) At least one course in Economic History (ECON 420-1 *American Economic History* (or) ECON 420-2 *European Economic History*), and
- b) Three field sequences of at least two-quarters each. A field sequence consists of two or three quarter-length courses as determined by the department.
- c) Six of the nine courses must carry an Economics course number

### Notes

1. Any individual course cannot be used to satisfy more than one sequence.
2. All courses taken to fulfill the field course requirements must be taken for letter grade (not P/N).
3. Any non-listed sequence must be approved in advance by an Economics group representative and the Director of Graduate Studies. This includes the following sequences offered by the Kellogg School of Management:
  - FINC 585-1,2,3 *Asset Pricing*
  - FINC 586-1,2,3 *Corporate Finance*
  - MECS 540-1,2,3,4 *Political Economy*
  - MECS 549-1,2 *Technology and Innovation*
  - MECS 550-1,2,3 *Economic Theory*
  - MECS 560-1,2 *Optimization in Economics* (but not 560-3)
  - MECS 570-1,2 *Economics of Organizations*
4. Students are welcome to audit or register for credit additional courses beyond the minimum requirement.

Field	Field Contact	Relevant Courses	Approved Sequence(s) for students intending to write their thesis in this field or intending to represent themselves as specializing in this field in the job market	Approved Sequences for all other students
Development Economics	Beaman	ECON 425-1,2,3 <i>Development Economics</i>	ECON 425-1 and 2 <i>Students are encouraged to take MECS-540-4 as well</i>	ECON 425-1 and 2
Econometrics	Horowitz	ECON 481-1,2,3 <i>Advanced Econometrics</i> ECON 482 <i>Applied Time Series Econometrics</i> ECON 483 <i>Applied Microeconometrics</i>	<ul style="list-style-type: none"> <li>• Three courses from ECON 481-1,2,3, 482, or 483.</li> <li>• Maximum of one substitution per sequence from these options: Math 410-1,2; Math 415-1,2; Math 450-1,2,3; or IEMS 450-1,2.</li> </ul> <p><i>It is possible to obtain two fields in econometrics, one in theoretical econometrics and one in applied econometrics. Please discuss the individual courses that would form each of the sequences with the field representative and the Director of Graduate Studies in advance. ECON 482 can be used for econometrics or macroeconomics but not both.</i></p>	Two courses from ECON 481-1,2,3, 482, or 483. No substitutions. <i>ECON 482 can be used for econometrics or macroeconomics but not both.</i>
Economic History	Ferrie	ECON 420-1,2 <i>Economic History</i>	ECON 420-1,2 <i>Students may elect to exceed the Department's Economic History requirement and take Economic History as a field.</i>	
Industrial Organization	Porter	ECON 450-1,2,3 <i>Industrial Organization</i> ECON 498-1 <i>Advanced Topics in Economics</i> (Reguant – Spring)	ECON 450-1 plus two of ECON 450-2,3 or 498-1 ( <i>taking all four courses is recommended</i> )	ECON 450-1 plus one of ECON 450-2,3 or 498-1

International Economics	Matsuyama	ECON 460-1,2,3 <i>International Economics</i>	Only ECON 460-2 is offered in AY 2022-23. ECON 460-2 can be taken as part of a Macroeconomics sequence (see Macroeconomics listing below)	
Labor Economics	DGS Siniscalchi*	ECON 440-1,2,3 <i>Labor Economics</i>	ECON 440-1 plus one of ECON 436-1,2 or pre-approved University of Chicago course <i>Any individual course cannot be used to satisfy more than one sequence, including the separate sequences in Public Economics or Health Economics.</i>	
Macroeconomics	Eichenbaum	ECON 416-1,2,3 <i>Advanced Macroeconomics</i> ECON 460-1,2,3 <i>International Economics</i> ECON 482 <i>Applied Time Series Econometrics</i>	<ul style="list-style-type: none"> <li>• Maximum of two sequences</li> <li>• First sequence: any three courses from ECON 416 or ECON 460 series or ECON 482</li> <li>• Second sequence: any two courses from ECON 416 or ECON 460 series or ECON 482</li> </ul> <i>ECON 482 can be used for macroeconomics or econometrics but not both.</i>	Any two courses from ECON 416 or ECON 460 series or ECON 482 <i>ECON 482 can be used for macroeconomics or econometrics but not both.</i>

Microeconomic Theory	Wolinsky	<p>ECON 412-1,2,3 <i>Economic Theory and Methods</i></p> <p>ECON 414-1,2,3 <i>Economics of Information</i></p> <p>ECON 415-1,2 <i>Advanced Microeconomics</i></p>	<ul style="list-style-type: none"> <li>• Maximum of two sequences</li> <li>• Each sequence: any three courses from ECON 412, ECON 414, or ECON 415 series.</li> <li>• Maximum of one pre-approved substitution per sequence.</li> </ul> <p><i>Generally, the allowable substitutions will be courses outside the Department with significant theory content (such as some of the PhD courses offered in the Kellogg School of Management) or courses with other relevant mathematical modeling content (such as some courses offered by the Department of Computer Science and in other engineering departments). However, pure math courses will ordinarily not count for this purpose, although students are strongly encouraged to take these courses in addition to their required sequences. Exception: in one theory sequence, students may substitute one courses with either COMP_SCI 496 Special Topics in Computer Science: Mechanism Design or COMP_SCI 497 Special Projects in Computer Science: Theory+X without the need for prior approval.</i></p>	<p>Any two courses from ECON 412, ECON 414, or ECON 415 series. No substitutions. <i>This option is not available to students in the entering class of 2020 or earlier. The two-course option is offered in AY 22-23 on a trial basis.</i></p>
Public Economics	DGS Siniscalchi*	ECON 436-1,2 <i>Public Finance</i>	<p style="text-align: center;">ECON 436-1,2</p> <p><i>Any individual course cannot be used to satisfy more than one sequence, including the separate sequences in Labor Economics or Health Economics.</i></p>	

Sequence Offered Jointly by Department of Economics and Kellogg School of Management			
Health Economics	Schnell	MECS 551-1 <i>Health Economics</i> ECON 436-2 <i>Public Finance</i>	MECS 551-1 (Fall 2022) and ECON 436-2 (Winter 2023) <i>Any individual course cannot be used to satisfy more than one sequence, including the separate sequences in Labor Economics or Public Economics. Students are reminded that at least six of their nine field courses must carry an Economics course number.</i>

Note

\* Temporarily the first point of contact for Labor Economics and Public Economics should be Director of Graduate Studies Marciano Siniscalchi. He will coordinate with relevant faculty.