



This week-long workshop for central bank economists has two objectives. First, to expose participants to frontier models and techniques in monetary economics. Second, to foster discussion and exchange of ideas about applied monetary policy problems faced by different central banks.

The week is organized around lectures and computer-based assignments.

The workshop has been held annually since 2004. It has been attended, so far, by roughly 600 participants from 43 central bank institutions.

Participating Institutions

Central Banks:
Armenia, Australia, Austria,
Bangladesh, Brazil, Belgium,
Canada, Colombia, Costa Rica,
Denmark, Finland, France,
Germany, Greece, Hong
Kong, Iceland, India, Italy,
Israel, Japan, Korea, Malaysia,
Mexico, Netherlands, Norway,
Philippines, Poland, Russia,
Slovakia, Spain, South Africa,
Sweden, Switzerland and
Uruguay.

Federal Reserve Banks: Atlanta, Boston, Cleveland, and Dallas, European Central Bank, the Bank of International Settlements, the Inter-American Development Bank, and the International Monetary Fund.



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Course lectures

The workshop includes eight three-hour course lectures on the following topics.

Empirical methods in monetary economics, Martin Eichenbaum

Alternative techniques to estimate and empirically evaluate models of the monetary transmission mechanism: (i) structural VARs identified with short run restrictions, long run restrictions, and sign restrictions; (ii) fitting dynamic models to impulse response functions; (iii) maximum likelihood methods.

Specification, estimation, and analysis of monetary models, Lawrence Christiano

Structural monetary models: the role of different frictions, such as sticky wages, sticky prices, working capital, and credit market imperfections. The use of Bayesian and other methods to estimate models and a review of recent developments in the use of models in the monetary policy process.

Open-economy models, Sergio Rebelo

Understanding movements in the real exchange rate and the failure of uncovered interest parity. Designing open-economy models consistent with the key facts about nominal and real exchange rates.

Hank models
Matthew Rognlie

A discussion of Heterogeneous Agent New Keynesian Models that incorporate uninsurable idiosyncratic income risk and assets with different degrees of liquid.

Macroeconomic forecasting with big data Girogio Primiceri

A comprehensive review of forecasting methods. Topics include VARs, dynamic factor models, robust Bayes inference, nowcasting, and long-run forecast uncertainty.

Macro-prudential regulation, Thomas Philippon

An introduction to the principles underlying macroprudential regulation and an analysis of how macroprudential considerations alter the use of regulatory tools and the design of financial regulation.

Special-topic lectures

Andrew Atkeson (UCLA): Are Banks Safer?

Valerie Ramey (University of California at San Diego): Government Spending Multipliers

Ricardo Reis (London School of Economics): Quantitative Easing

Practicum

The course lectures are complemented with afternoon sessions designed to provide participants with hands-on experience with the techniques presented.

Logistics

The workshop takes place at the Kellogg Global Hub located on the shores of Lake Michigan at Northwestern University's Evanston campus.



Dates

TThe workshop will take place from Tuesday, September 3 to Tuesday, September 10, 2019. Participants are expected to arrive on Tuesday, September 3 and leave in the afternoon of Tuesday, September 10, 2019. Participants who are interested in attending the Optional Review Session on Tuesday, September 3, 2019 are expected to arrive on Monday, September 2, 2019. This optional session is devoted to a comprehensive tutorial on what you need to know about Matlab to be able to use the software employed in the course.

Schedule

A preliminary workshop schedule is attached.

Software and lecture materials

At the end of the workshop, participants receive all the lecture materials and programs used during the practicum sessions.

Price

The cost of the program is \$7,200 per participant. The fee (payable in U.S. dollars) includes tuition, course materials, accommodations, social program, meals, coffee breaks, and receptions. Enrollment is confirmed only upon receipt of full payment.

Cancellations made before June 1st, 2019 are subject to a 25% fee.

Cancellations made after June 1st, 2019 are subject to the total charge.



Advanced Workshop for Central Bankers Schedule, 2019

	*	ALL STORY			<u> </u>	1/4			
	15-15-15	03/Sep	04/Sept	05/Sept	06/Sept	07/Sept	08/Sept	9/Sept	10/Sept
	No the S	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday
11/2	7:30 AM to 9:00 AM		Breakfast, Allen Center	Breakfast, Allen Center	Breakfast, Allen Center	Breakfast, Allen Center	Breakfast, Allen Center	Breakfast, Allen Center	Breakfast, Allen Center
A) 4 4	9:00 AM to 10:30 AM		Using VARs Martin Eichenbaum	DSGE models Lawrence Christiano	Model estimation Lawrence Christiano	Financial frictions Lawrence Christiano	Open-economy models Sergio Rebelo	Macro-prudential regulation Thomas Philippon	Macro Forecasting with big data Giorgio Primiceri
5	10:30 AM to 10:45 AM		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
١	10:45 AM to 12:15 PM		Using VARs Martin Eichenbaum	DSGE models Lawrence Christiano	Model estimation Lawrence Christiano	Financial frictions Lawrence Christiano	Open-economy models Sergio Rebelo	Macro-prudential regulation Thomas Philippon	Macro Forecasting with big data Giorgio Primiceri
610	12:15 PM to 1:30 PM		Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
100	1:30PM to 4:00 PM		Practicum Session	Practicum Session	Chicago Architectural	Practicum Session	Hank models Matthew Rognlie	Hank models Matthew Rognlie	
3		L. F. F. L. S.			River Cruise (starts at			Practicum Session	
	4:00 PM to 4:15 PM		Coffee Break	Coffee Break	3:30 pm)	Coffee Break	P / /	Coffee Break	
	4:15 PM to 5:30 PM	Optional Matlab Review Session 3:30 pm - 5:30 pm	Valerie Ramey Government Spending Multipliers	Andrew Atkeson Are Banks Safer?		a de la companya de l		Ricardo Reis, Quantitative Easing	
1	5:30PM to 6:30 PM	Dinner	Cocktails	Cocktails	5 31	Dinner			
1	6:30PM to 8:00 PM		Dinner	Dinner		Bus to Chicago Theater	Optional Dinner	Celebration dinner at Stained Glass (7:15 pm)	
4	81 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THE WAR	1	Jan 1		Show at Chicago			

Show at Chicago Theater



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