

AMPM 1. Advanced Macro Policy Modeling. Introduction to Modern Monetary Policymaking

AMPM I	Topics Covered:	Preparations Before Lecture	Assignment After Lecture
<i>Lecture 1</i>	Critical Thinking, Research Methodology, and the Six Principles of Flexible-Inflation-Targeting Regimes.	BPP YouTube Videos on FPAS Mark II etc.	Video Presentations on the Six Principles and Critical Thinking.
<i>Lecture 2</i>	Transparency and Accountability: What is the difference between FPAS and Non-FPAS CBs.	GFS Videos on Learning DYNARE-JULIA.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 3</i>	FPAS Mark II and Scenarios-Based Forward Guidance in DYNARE/JULIA.	GFS Videos on Learning FPAS Mark II: Part A.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 4</i>	FPAS Mark II and Scenarios-Based Forward Guidance in DYNARE/JULIA.	GFS Videos on Learning FPAS Mark II: Part B.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 5</i>	FPAS Mark II and Scenarios-Based Forward Guidance in DYNARE/JULIA.	GFS Videos on Learning FPAS Mark II: Part C.	Final Video Submissions for GFS and BPP Seminars.

AMPM 2. Advanced Macro Policy Modeling. DSGE Economics Introduction

AMPM II	Topics Covered:	Preparations Before Lecture	Assignment After Lecture
<i>Lecture 1</i>	Introduction. Critical Thinking, Research Methodology and Hot Topics.	BPP YouTube Videos on FPAS Mark II etc.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 2</i>	Models with Endogenous Money Creation	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 3</i>	Beyond Representative Agents Models. Models with Overlapping generation models with Sensible Stock-Flow Dynamics.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 4</i>	GIMF Models: Global Integrated Monetary and Fiscal Model.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 5</i>	FSGM Models: Flexible System of Global Models.	BPP YouTube Videos with Reading Lists.	Final Video Submissions for GFS and BPP Seminars.

AMPM 3. Advanced Macro Policy Modeling. Semi-Structural Model. Open and Closed Economy Semi-Structural Models

AMPM III	Topics Covered:	Preparations Before Lecture	Assignment After Lecture
<i>Lecture 1</i>	Introduction. Critical Thinking, Research Methodology and Hot Topics.	BPP YouTube Videos on FPAS Mark II etc.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 2</i>	Closed-Economy Semi-Structural Models.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 3</i>	Open-Economy Semi-Structural Models.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 4</i>	Estimation of Monetary-Policy-Relevant Output Gaps.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 5</i>	Estimation of Financial-Cycle Output Gaps.	BPP YouTube Videos with Reading Lists.	Final Video Submissions for GFS and BPP Seminars.

AMPM 4. Advanced Macro Policy Modeling. Introduction to Applied DSGE Economics

AMPM IV	Topics Covered:	Preparations Before Lecture	Assignment After Lecture
<i>Lecture 1</i>	Introduction. Critical Thinking, Research Methodology and Hot Topics.	BPP YouTube Videos on FPAS Mark II etc.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 2</i>	RBC Model in Dynare/Julia	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 3</i>	Closed-Economy Model with Nominal & Real Rigidities	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 4</i>	Open-Economy Model with Nominal & Real Rigidities	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 5</i>	Open-Economy Model with Nominal & Real Rigidities	BPP YouTube Videos with Reading Lists.	Final Video Submissions for GFS and BPP Seminars.

AMPM 5. Advanced Macro Policy Modeling. Advanced Applied DSGE Economics

AMPM V	Topics Covered:	Preparations Before Lecture	Assignment After Lecture
<i>Lecture 1</i>	Introduction. Critical Thinking, Research Methodology and Hot Topics.	BPP YouTube Videos on FPAS Mark II etc.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 2</i>	Hot topic applications using DSGE models: foreign interest rate shocks 1	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 3</i>	Hot topic applications using DSGE models: foreign interest rate shocks 2	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 4</i>	Hot topic applications using DSGE models: country risk premium shocks 1	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 5</i>	Hot topic applications using DSGE models: country risk premium shocks 2	BPP YouTube Videos with Reading Lists.	Final Video Submissions for GFS and BPP Seminars.

AMPM 6. Advanced Macro Policy Modeling. Bayesian Estimation

AMPM VI	Topics Covered:	Preparations Before Lecture	Assignment After Lecture
<i>Lecture 1</i>	Introduction. Critical Thinking, Research Methodology and Hot Topics.	BPP YouTube Videos on FPAS Mark II etc.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 2</i>	Learning ML and Bayesian Estimation in Dynare.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 3</i>	Estimating Models with Generated Data.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 4</i>	Estimate Small Model of the US Economy.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 5</i>	Estimate Small Model of the US Economy.	BPP YouTube Videos with Reading Lists.	Final Video Submissions for GFS and BPP Seminars.

AMPM 7. Advanced Macro Policy Modeling. Dynare/Julia Applications

AMPM VII	Topics Covered:	Preparations Before Lecture	Assignment After Lecture
<i>Lecture 1</i>	Introduction. Critical Thinking, Research Methodology and Hot Topics.	BPP YouTube Videos with Reading Lists, Space Shuttle.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 2</i>	Endocred in Dynare/Julia.	BPP YouTube Videos with Reading Lists, Space Shuttle.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 3</i>	MPMOD and FCMOD in Dynare/Julia.	BPP YouTube Videos with Reading Lists, Space Shuttle.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 4</i>	Bayesian Estimation Example with Unit Roots in Dynare/Julia. Part 1.	BPP YouTube Videos with Reading Lists, Space Shuttle.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 5</i>	Bayesian Estimation Example with Unit Roots in Dynare/Julia. Part 2.	BPP YouTube Videos with Reading Lists, Space Shuttle.	Final Video Submissions for GFS and BPP Seminars.

AMPM 8. Advanced Macro Policy Modeling. Estimation of Nonlinear Regime-Switching DSGE Models in RISE

AMPM VIII	Topics Covered:	Preparations Before Lecture	Assignment After Lecture
<i>Lecture 1</i>	Introduction. Critical Thinking, Research Methodology and Hot Topics.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 2</i>	Hot Topics that Require Markov-Switching. Example of European Debt Crisis	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 3</i>	Setting up a Markov-Switching Model in RISE	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 4</i>	Solving a Markov-Switching Model in RISE	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 5</i>	Bayesian Estimation of a Model in RISE	BPP YouTube Videos with Reading Lists.	Final Video Submissions for GFS and BPP Seminars.

AMPM 9. Advanced Macro Policy Modeling. R for Economists

AMPM IX	Topics Covered:	Preparations Before Lecture	Assignment After Lecture
<i>Lecture 1</i>	Introduction. Critical Thinking, Research Methodology and Hot Topics.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 2</i>	Database Management and Data Visualization Tools.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 3</i>	R Markdown. Regression Analysis.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 4</i>	Project 1. Estimation of Consumption Functions in the US	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 5</i>	Project 2. Inflation and Inflation Expectations	BPP YouTube Videos with Reading Lists.	Final Video Submissions for GFS and BPP Seminars.

AMPM 10. Advanced Macro Policy Modeling. Python for Economists

AMPM X	Topics Covered:	Preparations Before Lecture	Assignment After Lecture
<i>Lecture 1</i>	Introduction. Critical Thinking, Research Methodology and Hot Topics.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 2</i>	Database Management and Data Visualization Tools.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 3</i>	Statistical analysis tools and filters.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 4</i>	Project 1. Estimation of consumption functions in the US.	BPP YouTube Videos with Reading Lists.	Video Presentations on what Students Learned about the Topic.
<i>Lecture 5</i>	Project 2. Natural language processing. Topic analysis.	BPP YouTube Videos with Reading Lists.	Final Video Submissions for GFS and BPP Seminars.