

## SCHOOL OF ECONOMICS

### PHD IN ECONOMICS

#### ECON722 ADVANCED TOPICS IN MACROECONOMICS

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#### PRE-REQUISITE/CO-REQUISITE/MUTUALLY EXCLUSIVE COURSE(S)

Prerequisites: ECON602 Macroeconomics 1  
 ECON622 Macroeconomics II

#### COURSE DESCRIPTION

"The course focuses on interactions between time series analysis, econometrics, macroeconomics, and finance, especially asset pricing. Course material will be handed out via a google group and the web site <https://quantecon.org/>. We will use various quantecon lectures as course material, in addition to some chapters from books by Ljungqvist and Sargent and by Hansen and Sargent. Among the tools we'll apply are dynamic programming, optimal filtering, and the key equation  $E m R = 1$  that unites much of asset pricing and macroeconomics."

#### ASSESSMENT METHODS

Listed below are some examples of assessment components. For ART courses, we are flexible with the assessment components.

Class Participation:	20%
Group Project:	20 %
Individual Project:	0 %
Individual Assignment:	60 %
Final Examination:	0 %
<b>Total:</b>	<b>100%</b>

#### RECOMMENDED TEXT AND READINGS (Optional)

Three monographs by Hansen and Sargent and Ljungqvist and Sargent