ECOM40002 Bayesian Econometrics

Credit Points:	12.50
Level:	4 (Undergraduate)
Dates & Locations:	This subject is not offered in 2014.
Time Commitment:	Contact Hours: Two 1.5-hour lectures per week (Semester 2) Total Time Commitment: Not available
Prerequisites:	Admission into BH-COM or BH-ARTS (Economics) and **Subject** / **Study Period Commencement:** / **Credit Points:** ECOM40006 Econometric Techniques / Semester 1 / 12.50
Corequisites:	None
Recommended Background Knowledge:	Please refer to Prerequisites and Corequisites.
Non Allowed Subjects:	Students may not gain credit for both **ECOM40002 Bayesian Econometrics (../../view/current/ecom40002)** and **ECOM90010 Bayesian Econometrics (../../view/current/ecom90010)** .
Core Participation Requirements:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements for this entry.The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
Contact:	**ljacobi@unimelb.edu.au (mailto:ljacobi@unimelb.edu.au)**
Subject Overview:	Basic tools and characteristics of Bayesian inference and the application of Bayesian inference to a number of econometric models are considered. The tools and characteristics will include joint, conditional and marginal probability distributions, prior, posterior and predictive distributions, Bayes theorem, representing uncertain information, and the estimation of moments and other integrals via Markov chain Monte Carlo techniques. The econometric models will include the traditional regression model, the seemingly unrelated regressions model, probit and tobit models and some time-series models.
Learning Outcomes:	Information not available.
Assessment:	A 2-hour end-of-semester examination (60%) and up to three assignments totalling 5000 words due between weeks 6 and 12 (40%).
Prescribed Texts:	You will be advised of prescribed texts by your lecturer.
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	# High level of development: evaluation of data and other information; synthesis of data and other information; critical thinking; interpretation and analysis; use of computer software; statistical reasoning; problem solving; collaborative learning; written communication; oral communication.

	# Moderate level of development: receptiveness to alternative ideas; application of theory to practice. # Some level of development: accessing data and other information from a range of sources.