Courses offered by Singapore Management University for PhD Students Exchange Programme
For AY25-26 Term 2 (January 2026 intake) - as of 29 September 2025

Notes:
- **List is subject to changes without prior notice.**

School	Course Code	Course Title	Course AU	Course Description (if not available on website)	Class Timetable	Other (e.g. Pass/Fail grading)	Additional Remarks
College of Integrative Studies	INTS700	Cities in Asia: Planning, Policy, and Praxis	1 CU	How do urban spatial forms emerge? What roles do urban planning and policy play in their production? And how are these official practices of city-making mediated by local histories, social relations, and political economic arrangements? This postgraduate seminar considers these questions from the vantage of urban (and urbanizing) Asia. Through scholarship drawn from the fields of urban studies, geography, and anthropology, students will grapple with the challenge of developing urban theory adequate to the variation in metropolitan trajectories and configurations across the continent. Each class session will use a different element of the urban built environment – including roads, parks, ports, malls, and gated communities – to orient considerations of how planning, policy, and praxis contribute to the production of recognizably urban places. We will approach these material elements of the urban fabric as dynamic rather than static, examining the diverse ways in which people imagine, make, inhabit, use, contest, and remember particular sites and spaces. We will also explore how the built environment mediates a range of pressing challenges faced by contemporary Asian cities, including global climate change, rising inequality, rapid expansion, and political exclusion.	TBA	Graded	Enrolment is subject to approval by School
College of Integrative Studies	INTS701	Studying Cities: Research Methods	1 CU	This course aims to familiarise students with a diversity of research methods for studying cities in an Asian context. The primary objective is to enable students to critically engage with research findings across multiple disciplines by understanding the methods used, their strengths and limitations, and whether they have been used correctly. Students will begin by reflecting on the 'objectivity' of research findings. Following this, three lectures will serve as a statistical primer, ensuring that students possess a solid understanding of fundamental quantitative research methods. Subjects covered will include hypothesis testing, linear regression, causal attribution, and reproducibility, and replicability. The main section of the course will adopt a reading group format. Through supervised discussion of carefully selected research articles, students will be intuitively introduced to research methods in economics, political science, geography, history, law, and the behavioural sciences. The course will conclude with sessions on fieldwork and research ethics, and the practicalities of conducting interdisciplinary research.	TBA	Graded	Enrolment is subject to approval by School
College of Integrative Studies	INTS709	Principles of Sustainability	1 CU	TBA	TBA	Graded	Enrolment is subject to approval by School
Lee Kong Chian School of Business	OPIM 708	Topics in interdisciplinary research in operations management	1 CU	The objective of this course is to introduce students to the state-of-the-art interdisciplinary research in the interface of Operations Management (OM) and other fields including agricultural economics, corporate finance, risk management, and sustainability, to identify future research directions, to provide a forum to communicate research ideas, and to initiate students to formulate and analyze a research problem that eventually may extend to thesis and a research publication.	TBA	Graded	Enrolment is subject to approval by School
Lee Kong Chian School of Business	OPIM 706	Topics in Game Theory and its Application	1 CU	Game theory is the analysis of situations in which the payoff of a decision maker depends not only on his own actions but also on those of others. It is a standard analytical tool in social sciences. This course is designed to introduce students to the basics of game theory and its applications in business research. It aims to deepen students' understanding of strategic interaction between firms. Basic concepts such as dominance, Nash equilibrium, backward induction, asymmetric information, adverse selection, and signalling are discussed in the course. The classic literature in business and management is used to illustrate the concepts.	TBA	Graded	Enrolment is subject to approval by School
Lee Kong Chian School of Business	MGMT 706	International Business Theories	1 CU	This seminar course aims to instill a thorough understanding of fundamental development in the field of international business, as well as a global mindset in conceptualizing the complexities of firms' decision making in a globalized world. This seminar seeks to train students to be able to make theoretical contributions to the field of international business.	TBA	Graded	Enrolment is subject to approval by School
Lee Kong Chian School of Business	FNCE 601B	Corporate Finance	1 CU	The class introduces research on the structure of a modern corporation and its financing and investment decisions. It includes topics on corporate capital structure, IPOs and SEOs, mergers and acquisitions, payout policy, agency problems and corporate governance. In addition to the fundamental knowledge on these research topics, the other goal is to equip you with the necessary skills of critical thinking, research hypotheses development, and statistical test implementation.	TBA	Graded	Enrolment is subject to approval by School

Lee Kong Chian School of Business	OPIM 710	Topics in Online Learning and Optimisation	1 CU	This course aims to introduce online learning and its applications in OM. We will discuss several important topics by studying recently developed methods in the online learning problem and reviewing journal articles in this area. Specifically, we will cover theoretical results followed by applications in revenue management, resource allocation problems, healthcare operations, and others. Students will develop relevant modelling, analytical skills through reviewing these journal articles. After taking the course, the students will gain some basic understanding of the interdisciplinary research between online learning and OM.	TBA	Graded	Enrolment is subject to approval by School
Lee Kong Chian School of Business	BSRM 707	Applied Statistics using STATA	1 CU	This course will equip students with the knowledge and skills that allow them to handle and analyse different types of data pertinent to a variety of empirical problems in business and social science. The emphasis will be on practical issues relating to data analysis and modelling rather than on statistical theory. The overriding objective will be to ensure that the students are confident in data analysis and that they learn how to build and run their own models.	TBA	Graded	Student must have STATA software provided from their own school Enrolment is subject to approval by School
School of Accountancy	ACCT 703	Analytical and Empirical Research in Accounting	1 CU	This course introduces analytical and empirical studies in accounting research, emphasizing both theory construction and methodology. The first half of the course introduces empirical research topics and the econometric intuitions behind commonly used empirical methods. The class covers various topics, such as financial reporting, disclosure, governance, and taxation, and various methods, such as instrumental variables, and natural experiments, and regression discontinuity. The second half of the course focuses on accounting theory as it applies to the motivation, intuition, and interpretation of empirical accounting work. Having an appreciation for theory and some experience of how to approach the theory literature makes it easier to form research ideas, develop hypotheses, and understand the results of your work.	TBA	Graded	Enrolment is subject to approval by School
School of Computing and Information Systems	CS702	Computational Interaction	1 CU	Computational capabilities enable new ways to design and develop novel interaction technologies. At the same time, it allows us to evaluate and better understand users' behaviors. In this course, we will: - Review topics on user-centered design and programming interactive systems that are necessary for completing assignments - Learn how to apply machine learning and optimization techniques like Gaussian process and integer programming for designing user interfaces and information visualizations - Use modern and emerging sensing technologies like speech recognition and gesture recognition to design novel input methods - Learn to model people's behaviors using statistical techniques like Bayesian methods	TBA	Graded	Enrolment is subject to approval by School
School of Computing and Information Systems	CS703	Optimization and Computing	1 CU	This course will introduce students to fundamentals of convex optimisation (such as the notions of convexity, convex sets and functions, linear and quadratic programs, optimality conditions, duality theory etc), and enable students to recognise and solve convex optimisation problems that arise in a variety of computing applications (particularly in the context of AI, machine learning and operations research). Mathematical optimization has become the backbone of several successful AI/ML applications (e.g., linear programming for solving Markov decision problems, quadratic programming for support vector machines, algorithms such as gradient descent for deep learning among several others). The course will endeavour to provide solid foundations in optimization basics that will enable students to understand a variety of such practical applications of mathematical optimization.	TBA	Graded	Enrolment is subject to approval by School
School of Computing and Information Systems	CS704	Information Security	1 CU	This course studies the key facets of information security, from theory to applications in a networked environment. Topics to be covered include symmetric key cryptosystems, number-theoretical foundations, public key cryptosystems, authentication, key exchange, access control, Internet security architecture, and emerging security standards.	TBA	Graded	Enrolment is subject to approval by School
School of Computing and Information Systems	CS706	Software Mining and Analysis	1 CU	This course introduces participants to advanced techniques and tools for mining and analyzing software data, which includes but not limited to source code, executable code, code repository records, code specifications, test cases, bug reports, execution profiles, and documentations. Major topics include static program analysis, dynamic program analysis, software repository mining, and specification mining. While not sidestepping mining and analysis theories, the course aims to equip participants with knowledge and skills that can be applied to resolve software issues in their own research and development projects.	TBA	Graded	Enrolment is subject to approval by School

School of Computing and Information Systems	CS712	Machine Learning	1 CU	This course covers the fundamental concepts and algorithms for machine learning from several perspectives. In the first half, we will cover a range of supervised learning techniques of both generative and discriminative varieties. In the second half, we will cover unsupervised learning topics (clustering, dimensionality reduction, matrix completion). The intended audience for this course are graduate students, with an objective of providing a foundation to access academic papers on machine learning algorithms and their applications.	TBA	Graded	Enrolment is subject to approval by School
School of Economics	ECON602	Macroeconomics I	1 CU	This course, which is the first course of a two-part Macroeconomics sequence, focuses on familiarizing students with the models, concepts, and techniques commonly used in modern macroeconomic theory and its applications. Outline of the Course: 1. Representative Agent Economies a. A simple endowment economy with and without uncertainty: Arrow-Debreu, Sequential, and Recursive Competitive Equilibria, and an introduction to asset pricing b. The Neo-Classical Growth Model with and without uncertainty: Arrow Debreu, Sequential, and Recursive Competitive Equilibria 2. Heterogeneous Agent Economies a. The complete market case with commitment, and some more on asset pricing b. Equilibrium without commitment, applications on the link between income and consumption inequality and asset pricing again 3. Search Models of Unemployment a. Search and Unemployment: i. The McCall Model and some applications ii. The Burdett-Mortensen Model iii. Some applications b. Equilibrium Models of Unemployment: i. The Lucas-Prescott Island Model ii. The Diamond-Mortensen-Pissarides Framework iii. The Competitive Search Framework	TBA	Graded	Enrolment is subject to approval by School
School of Economics	ECON622	Macroeconomics II	1 CU	This course is devoted to studying economies where agents are heterogeneous. These models are helpful to analyze a wide range of questions pertaining to business cycles, income distribution, asset pricing, consumption insurance, labor supply, the aggregate and redistributive effects of policies, etc. We will start with some "aggregation theorems" to show that in some cases a representative agent still exists. Next, we will move towards economies with incomplete markets" where agents can only borrow and save through a risk-free bond. We begin by characterizing in detail the individual problem. Next, we proceed to the description of the stationary equilibrium. Then, we study an incomplete markets model with aggregate shocks. The second set of classes are devoted to extend the economies into continuous time model. The last set of classes will introduce economies with heterogeneous firms. The aim of this course is to learn: 1) this important class of heterogeneous agents model, and 2) how to solve numerically for the equilibrium of these economies, a necessary step to use these models for quantitative research.	TBA	Graded	Enrolment is subject to approval by School
School of Economics	ECON623	Econometrics II	1 CU	This is an overview of Econometrics II, designed to introduce students to a range of material in stationary time series, nonstationary time series, multivariate time series, and panel data, including unit root theory, state-space models, VAR models, and linear panel data models. Topic 1: A review of asymptotic theory Topic 2: Stationary Time Series Models Topic 3: Non-Stationary Time Series Models: Deterministic Trend, Unit Root, Explosive Root Topic 4: State-space Models and Kalman Filter Topic 5: VAR Topic 6: Linear panel data models. Other topics: Spectral Analysis and HAC Estimation, nonparametric estimation, resampling methods, or other relevant topics, if time permits	TBA	Graded	Enrolment is subject to approval by School

School of Economics	ECON740	Empirical Research Project	1 CU	This is an overview of Econometrics II, designed to introduce students to a range of material in stationary time series, nonstationary time series, multivariate time series, and panel data, including unit root theory, state-space models, VAR models, and linear panel data models. Content Outline Topic 1: A review of asymptotic theory Topic 2: Stationary Time Series Models Topic 3: Non-Stationary Time Series Models: Deterministic Trend, Unit Root, Explosive Root Topic 4: State-space Models and Kalman Filter Topic 5: VAR Topic 6: Linear panel data models. Other topics: Spectral Analysis and HAC Estimation, nonparametric estimation, resampling methods, or other relevant topics, if time permits	TBA	Graded	Enrolment is subject to approval by School
School of Economics	ECON743	Computational Macroeconomics	1 CU	This course equips students with powerful computational tools to be used in macroeconomic analysis. Students learn how to solve macroeconomic models using computational methods, calibrate these models, and use calibrated models to address interesting questions in macroeconomics. While students are exposed to some basic macro models throughout the course, the main objective is computer implementation of these models, possibly with real data. This course is part of the Econ PhD program. Non-Econ PhD or MSE/MSFE students can enroll in this course. There are no pre-requisites for this course. I strongly recommend you to come to the class with your laptop for implementing in-class demonstrations.	TBA	Graded	Enrolment is subject to approval by School
School of Economics	ECON744	Health Economics	1 CU	Health economics is a growing and increasingly popular field in economics. This course will survey recent work in health economics. The course will mainly cover evidence-based empirical research using recent econometric tools such as regression discontinuity design and randomized controlled trials. Topics include demand and supply of healthcare services, economic returns to medical care, economic issues in health insurance reforms, long-term effects of early-life health shocks, health care in developing countries, etc. The course emphasizes the actionable policy implications based on credible empirical findings. There will be individual presentations of published research articles or their own, preliminary research ideas by students.	TBA	Graded	Enrolment is subject to approval by School
School of Economics	ECON750	Advanced Topics in Monetary Economics	1 CU	1. Financial Intermediation I: Banks as Delegated Monitors a. Costly State Verification: Townsend (JET 1979); Gale-Hellwig (ReStud, 1985). b. Moral Hazard: Holmstrom-Tirole (QJE 1997). 2. Financial Intermediation II: Banks as Providers of Liquidity and Crises a. To Households: Diamond-Dybvig (JPE 1983); Diamond (JPE 1997); DiamondRajan (JPE 2001); Ennis-Keister (AER 2009). b. To Firms: Holmstrom-Tirole (JPE 1998); Farhi-Tirole (AER 2009). 3. Micro-founded Monetary Economics a. Generations 1 and 2: Kiyotaki-Wright (AER 1993) and Trejos-Wright (JPE 1995) b. Generation 3 (the "New Monetarist" framework): Lagos-Wright (JPE 2005); Rocheteau-Wright (ECMA 2005). 4. Micro-founded Monetary Economics (cont'd) a. Inflation and cost of inflation: Lagos-Wright (JPE 2005); Rocheteau-Wright (ECMA 2005). b. Money, credit, and banking: Berentsen-Camera-Waller (JET 2007); Monnet et al. (ReStud 2013); Andolfatto-Berentsen-Martin (ReStud 2020) 5. More on Credit a. Credit cycles: Bernanke-Gertler (AER 1989); Kiyotaki-Moore,(JPE 1997), Gu et al. (JPE 2013); Gorton and Ordonez (AER 2014). b. Credit Chains (Kiyotaki and Moore, Clarendon Lecture); Bigio (2022) c. Credit and Monetary Policy: Monetary Policy: Williamson (AER 2012); Rocheteau, Wright, and Zhang (AER 2018); Kiyotaki-Moore (JPE 2019). 6. Asset Pricing	TBA	Graded	Enrolment is subject to approval by School
School of Economics	ECON751	Financial Econometrics	1 CU	The aim of this course is to enhance the understanding of some of econometric methods and models used in financial econometrics. The courses is en extension to the discrete time series methods and models covered in Econometrics II (623). Students who wish to take this course must have taken Econ623.	TBA	Graded	Enrolment is subject to approval by School
School of Economics	ECON752	Development Economics	1 CU	This course provides an introduction to selected topics in development economics at PhD level. I aim to cover important analytical tools and empirical results so that students can understand the current development economics literature after taking this course. Poverty, inequality, firms, migration, credit, health, and education are among the main topics covered in this course.	TBA	Graded	Enrolment is subject to approval by School

School of Social Sciences	PSYC 604	Multivariate Statistics	1 CU	This course provides doctoral students with advanced training in multivariate statistical techniques widely used in psychological research. Emphasis will be placed on moderation, mediation, moderated mediation, and mediated moderation analyses, alongside multilevel modelling, exploratory and confirmatory factor analysis, structural equation modelling, and longitudinal data analysis. Students will gain exposure to the conceptual foundations of these methods and practice in applying them to address research questions in psychology. Through a combination of lectures, applied exercises, and engagement with published work, the course aims to strengthen students' methodological skills and their ability to interpret complex statistical models.	TBA	Graded	Enrolment is subject to approval by School
School of Social Sciences	PSYC 607	Cognitive Psychology	1 CU	This course provides an advanced exploration of the cognitive psychology with a focus on a control system, commonly known as executive functions which represent higher-order cognitive processes responsible for activating, integrating, coordinating, and supervising other cognitive functions essential for regulating thought and behavior. The course emphasizes both theoretical frameworks and empirical research on a wide range of cognitive processes, with a focus on how the cognitive system shapes behavior across various domains, including developmental, linguistic, emotional, and social contexts. By the end of the course, students will gain a deep understanding of the cognitive control system and its broad influence, laying a foundation for further research in related and applied fields.	TBA	Graded	Enrolment is subject to approval by School
School of Social Sciences	PSYC 610	Evolutionary Psychology	1 CU	The field of evolutionary psychology has expanded in recent years and is seeing applicability in a wide variety of domains ranging fro mating to business. This postgraduate course aims to provide students with opportunities to become broadly acquainted with theory and research in evolutionary psychology through reading and discussion. In addition, the course aims to give students the opportunity practice summarizing and presenting scientific research, and to propose new research using an evolutionary perspective.	TBA	Graded	Enrolment is subject to approval by School
School of Social Sciences	PSYC 624	Psychology of Emotions	1 CU	Emotion research is a major area of research that cuts across many of the subdisciplines of psychology. This seminar will introduce you to some of the major issues, approaches, and perspectives on the psychology of emotions from what emotions are, to what they are for, how they are shaped by evolution and culture, and how they affect other aspects psychology such as perception and judgments. By the end of the course, you should develop an appreciation of the complexity of emotional phenomena as well as a breadth of familiarity with different areas of psychology. In addition, psychologists have borrowed and innovated many different methods to study the emotions. Therefore, another objective of the course is to introduce you to the variety of experimental and statistical methods that have been applied this research area with the hopes of helping you make connections to your own research interests.	TBA	Graded	Enrolment is subject to approval by School
School of Social Sciences	PSYC 721	Group Processes and Intergroup Relations	1 CU	Social group identities shape how we perceive ourselves, perceive others from a similar or different social group, and how we get along with each other. This course will review theory and research on intergroup processes and relations from the social psychological literature. The first half of the course will cover fundamental theories on the origins and motives underlying intergroup identity, perception, and behaviour. The second half of the course will focus on intrapersonal, interpersonal, and intergroup consequences of those motives, as well as highlight the evolving literature on improving intergroup attitudes and relations. Novel integration and application of methodologies in the study of intergroup attitudes and processes will be highlighted throughout the course.	TBA	Graded	Enrolment is subject to approval by School