Doctor of Philosophy Program in Strategy and Intelligence

Core Courses

SI801 Research Methods and Literature Review

The research process; literature review process and outcome; identification of a research topic; research question formulation; developing a research proposal and evaluating research carried out by others; scientific and interpretivist approaches; research hypotheses development; research techniques for design; survey methods and instruments; gathering information and analysis; development of a research dissertation.

SI802 Quantitative and Qualitative Research Methodologies

Quantitative research approaches and designs and the different qualitative research designs and approaches; positivism and interpretivism; design research approach; experimental research; survey research; non-reactive research; field research; historical-comparative research; triangulation; the measurement process.

SI803 Advanced Statistics

Advanced statistical techniques useful in research; advanced probability theory; descriptive statistics; statistical inference, with emphasis on applications to many areas of research; one and two sample tests; non-parametric tests; linear and multiple regression; factor analysis; multi-dimensional scaling; discriminant analysis.

Elective/Specialization Courses

SI811 Intelligence in Peace and War

Introduction to intelligence in peace and war; the importance and value of "knowing"; evolution of modern intelligence systems; nature of intelligence in peace and war; role of intelligence as a source of national power; outline model of an intelligence system; operation of intelligence through operational, institutional and policy contexts; effects and performance of intelligence; problems of intelligence: achieving accuracy and ways to improve performance; value and problems of intelligence cooperation at the national and international levels.

SI812 Developments in Modern Warfighting

Historical background, concepts and definitions of the revolution in military affairs (RMA); objectives of RMA; new war-fighting paradigms and force structure assignment for the future; applications of advanced weapons technology, information technology, military organization and doctrine; effects-based operations (EBO); network centric warfare (NCW); the RMA debate: evolution versus revolution.

SI813 The Challenge of Modern Terrorism

Defining terror, terrorism, and terrorists; the objectives and psychology of terrorism; nature and origins of terrorism – democratic ideals versus violent dissent; types of terrorist organizations and their methods in Asia; threats posed to the nation state by modern terrorism through its operations and effects; counter-terrorism policy and operations, effectiveness of short and long-term strategies being used against modern terrorism.

SI814 Strategic Leadership

Leadership theory; concepts of leadership as a holistic process that involves influencing people both inside and outside the organization; dynamics of interpersonal influence processes; keys to effective leadership; leadership models; structural, human resource, political and symbolic frameworks; leadership styles; role of morality, religion, ethics, philosophy, and rational reasoning; managerial grid: balancing people and tasks; the process of great leadership: challenging the process, inspiring a shared vision, enabling others to act, encouraging the heart; case studies of great and failed leaders.

SI815 Social Movement and Conflict Management

Understanding conflict and conflict dynamics; causes and effects of conflict; ideas and important concepts relating to conflict management, including the role of power, violence and non-violent peace processes; applications of conflict management frameworks relevant to a situation of an arising conflict; communication in interpersonal conflicts; strategies for conflict analysis, transformation, management and resolution; operations and tactics arising from these concepts; concrete ideas of non-violent conflict management.

SI816-818 Special Topics in Strategy and Intelligence

Introduction to statistics in support of decision making; data collection and presentation, frequency distributions and graphs; probability and counting rules; discrete probability distributions; the normal distribution; sampling; confidence intervals and sample size; forecasting, statistical quality control, risk analysis, hypothesis testing, decision analysis, correlation and regression; analysis of variance; non-parametric statistics; sampling and simulation; simple spreadsheet modeling.

Research Component

SI910 Dissertation (Including Public Lecture and Viva)

Individual study in any topic relevant to strategy and intelligence. The topic must be approved by the dissertation committee and the student must follow the steps as advice by his or her advisor. Student must make progress report and present his or her work to the dissertation committee and in a seminar. Finally, the student must pass the oral defense of dissertation.