

Circular

School of Public Policy, IIT Delhi

The School of Public Policy is offering **two** courses as **Advanced Topics (3 Credits)**, **five** courses as **Special Module (1 Credit)**, and **one** new course on **Qualitative Method (3 Credits)** during the upcoming semester (**July-December 2023**). The details of these courses are mentioned below-

Course Code: SPL 810

Course Title: Advanced Topics in Policy Studies (Climate Change Adaptation: From Theory to Practice)

Credit Structure: 3 Credits (3-0-0)

Instructor: Prof. Anshu Ogra

Lecture Slot & Time: Slot- H (Mon 11:00-12:00, Wed 11:00-12:00, Thu 12:00-13:00)

Course Description:

This course aims to equip students with the concepts, tools and techniques required for effectively engaging with and contributing to adaptation policy and planning process at national and regional levels. This course is structured around seven modules. It begins with introducing the policy context for climate change adaptation in a changing world. The opening lectures will introduce different entry points for understanding adaptation, vulnerability, risk, resilience, and their interrelationships. The course will delve into societal responses and challenges for climate change adaptation; students will learn how adaptation goals are set and the role of SDGs and the Paris Agreement; adaptation responses currently pursued and the methods of monitoring and evaluating their successes; limits to adaptation and introduction to maladaptation; residual risk and emerging discussion on Loss & Damage. The course will also introduce the Climate Resilient Development (CRD) concept, which situates responses to climate change squarely within the development arena. Lastly, the course will reflect on India's Adaptation planning and policy landscape to help students understand its key characteristics and challenges.

Course Content:

- adaptation, resilience, and vulnerability and how they are interconnected;
 - importance and varied ways of risk framing for adaptation policy and planning process;
 - observed and projected impacts of climate change on various sectors;
 - successful adaptation case studies from across the world along limits to adaptation;
 - Climate-Resilient Development (CRD) and the pathways for pursuing it;
 - concepts of climate justice, maladaptation, and Loss & Damage.
-

Course Code: SPL 810A

Course Title: Advanced Topics in Policy Studies (Geographical Information System (GIS) for Public Policy)

Credit Structure: 3 Credits (3-0-0)

Instructor: Prof. Rajarshi Dasgupta

Lecture Slot & Time: Slot- AB (Mon 15:30-17:00, Thu 15:30-17:00)

Course Description:

This course provides an introduction to Geographic Information Systems (GIS) and its multidimensional applications in public policy research. The course will cover the basic concepts of GIS, methods of data collection and management, spatial analysis techniques, along with the thematic application of geospatial technology in various public policy domain, including urban and community planning, environmental management, conservation and natural resource governance. The course will impart training in handling GIS software packages and basic GIS operations. By attending this course, students are expected to develop GIS skills and should be able to apply these tools in their research.

Course Content:

- Introduction to GIS and Geospatial technology
- Use of GIS in Public Policy Research
- Data structure and basic GIS analysis and their application in public policy research
- Advanced GIS analysis and their application in public policy research
- Public Participatory GIS (PPGIS)
- Case studies on GIS applications in Public Health and Natural Resource Management
- Use of night-time satellite data
- Practical and hands on training in GIS packages

Course Code: SPV792

Course Title: Inclusive City and Accessibility Audit

Credit Structure: 1 Credits (1-0-0)

Instructor: Prof. Rathin Biswas

Lecture Slot & Time: Slot- L (Tue 18:00-19:00, Fri 18:00-19:00, Wed 13:00-14:00)

Course Description:

This course introduces the accessibility challenges in a real-world scenario and discusses the relevant public policies. In particular, the students will understand the accessibility provisions and the concept of universal design toward a more inclusive society. They will have the capability to carry out accessibility audits of public buildings and campus infrastructure and will be able to suggest further policy pathways and interventions.

Course Content:

- National and Global Policy and Status, United Nations Convention on the Rights of Persons with Disabilities (UNCRPD) & RPwD Act,
 - Understanding Accessibility with Indoor and Outdoor Activities
 - Universal Design Concept and Inclusive City Framework,
 - Accessibility Audit,
 - Assistive Technologies and Conceptualization,
 - Hands-on Accessibility Audit Exercise for a particular infrastructure, Evaluation of a public building for all the accessibility provisions and report preparation
-

Course Code: SPV795

Course Title: Special Module on Public Policy for Technical Higher Education

Credit Structure: 1 Credits (1-0-0)

Instructor: Prof. Debananda Misra

Lecture Slot & Time: Slot- M (Mon 17:00-18:30, Thu 17:00-18:30)

Course Description:

The course aims to get participants interested in higher education as an empirical and scholarly field. It will introduce participants to theories, concepts, and analytical tools from various disciplines to examine issues, including public policy, governance, and organisational, related to higher education. Participants will think about research questions or lines of research inquiry in higher education either situated in higher education discipline or within their respective disciplines. They will engage with the course to illustrate how theories and concepts from their disciplines can be applied to enrich the field of higher education.

Course Content:

The course will be organised as readings and analysis of twelve influential academic works drawn from the fields of education, economics, management, public policy, and sociology, that have shaped higher education as a research area (See indicative list at the end). Six of the readings will be provided by the instructor and six will be suggestions from the participants. The reading will cover the following broad areas of higher education:

- Political and economic approaches to examine the role of higher education in society.
- Institutional theory and logic for the management and governance of universities
- Embeddedness and boundaries of universities with society at the regional, national and global levels.
- Role of governments in steering higher education

Details about the course are available

https://docs.google.com/document/d/1Vh0IE4YTHZrSPDJT8tc_IBeFokzCZxb7s_wPQaii7lY/edit?usp=s_haring

Course Code: SPV797

Course Title: Scenario Design for Managing Uncertainty

Credit Structure: 1 Credits (1-0-0)

Instructor: Prof. Kaveri Iychettira

Lecture Slot & Time: Slot- AD (Tue 15:30-17:00, Fri 15:30-17:00)

Course Description:

The course will equip students with techniques for decision support and strategic planning across a variety of socio-technical and technology policy domains. Students will be able to analyse various levels of uncertainty in a socio-technical system, understand and apply common approaches to deal with each level of uncertainty. The student will develop an ability to design scenarios, conduct scenario analyses, and develop a robust decision-making strategy to effectively manage uncertainty, with a particular focus on systems with both social and technological features.

Course Content:

- Defining a decision-making problem;
- risk and uncertainty;
- levels of uncertainty,
- commonly employed approaches to manage uncertainty;
- definition of a scenario;
- methods of constructing scenarios;
- the advantages of scenario analysis;
- examples of energy and climate scenarios;
- adaptive decision making;
- application across different domains.

Course Code: SPV798

Course Title: Special Module on Public Policy in Transport and Infrastructure

Credit Structure: 1 Credits (1-0-0)

Instructor: Prof. Sanjay Mitra

Lecture Slot & Time: Slot- D (Tue 09:00-10:00, Wed 09:00-10:00, Fri 09:00-10:00)

Course Description:

The course will enable students to critically examine and understand issues related to infrastructure development through a public policy lens.

Course Content:

The course will examine several infrastructure and transport sectors including highways, ports, shipping, civil aviation, logistics and urban bus transport through a public policy lens. Starting with general ideas about public policy making in India, it will relate concepts in public policy literature with specific instances in policy formulation, programme design and implementation in these sectors. For example, highway development and rural roads with simplicity and parsimony in programme design (Tinbergen's Rule); complex policy design and the logistics sector; policy evaluation, feedback and the report of the Kelkar committee suggesting changes in the PPP framework; post Covid arrangements, the National Transport Development and Policy Committee and technocratic policy formulation; inter-ministerial negotiations and the evolution of a vehicle scrappage policy; unintended consequences of public policy; road safety and accelerated road development; policy predictability and coastal shipping; policy layering, renewables and urban bus transport reforms.

There are no pre-requisites. It is open to all students. Requirements include 75% attendance, class participation, viva- covering appreciation of the course material and the readings, and a policy memo on "green public bus transport" based on a case study introduced in class.

After taking this course, students will be better placed to appreciate the main sectoral issues in transport and infrastructure policy and relate them to broader, generalizable concepts.

Course Code: SPV799

Course Title: Special Module in Policy Studies (Water Sanitation and Health)

Credit Structure: 1 Credits (1-0-0)

Instructor: Prof. Rathin Biswas

Lecture Slot & Time: Slot- AD (Tue 15:30-17:00, Fri 15:30-17:00)

Course Description:

The course will introduce various developmental challenges related to water and sanitation and its relationship with public health. The students will also learn the role of water and sanitation for meeting the Sustainable Development Goals. They will also get the exposure of various policies and schemes related to water and sanitation and the accessibility measures of water and sanitary provisions.

Course Content:

- Water and Sanitation and its relationship with public health,
- Water-Energy-Food Nexus,
- Water quality standards,
- Municipal Solid Waste management,
- Water and Sanitation Challenges,
- Case Studies,
- Wastewater treatment, Onsite and Offsite sanitation
- Water Sanitation Policy and Schemes,

- Accessibility of Water and Sanitary Provisions,
 - Climate resilient water and sanitation plan,
 - SDGs and Role of Water Sanitation and Health,
 - ICT for WASH
-

Course Code: SPL750

Course Title: Qualitative Research Methods for Public Policy

Credit Structure: 3 Credits (3-0-0)

Instructor: Prof. Surajit Chakravarty & Prof. Debananda Misra

Lecture Slot & Time: Slot- AC (Tue 14: 00-15:30, Fri 14:00-15:30)

Course Description:

The course will enable students to

- Use qualitative research methods
- Design qualitative inquiry to response to policy concerns
- Use qualitative methods to study policy issues including spatial and place-based matters, science, technology and innovation, and public participation or engagement
- Conduct research inquiry in disciplinary policy areas (policy development, public administration, and public institutions) and sectoral policy areas (i.e., energy, education, sustainable habitat and agriculture) while addressing ethical concerns in the best possible manner
- Analyse qualitative data with a focus on those needed for policy studies

Course Content:

- Theory (phenomenology, knowing, grounded theory etc.),
 - ethical issues, positionality,
 - qualitative data collection methods relevant for policy studies (including ethnography, participant observation, interviews, focus groups, walk-along interviews, photo elicitation, community workshops, structured observation, place documentation etc.) and their applications to policy studies,
 - tools for analysing qualitative data (coding methods, Qualitative Data Analysis Software (Nvivo, AtlasTi), case study methodology, critical discourse analysis etc.),
 - writing up qualitative research for policy studies
-

