

FACULTY OF PHYSICAL PLANNING & ARCHITECTURE

SYLLABUS

FOR

**Pre Ph.D. Course in
Physical Planning
(Under Credit Based Continuous Evaluation Grading System)**

(Semester: I - II)

Examinations: 2016-17



**GURU NANAK DEV UNIVERSITY
AMRITSAR**

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Pre Ph.D. Course in Physical Planning (SEMESTER SYSTEM)
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Semester I

Course No.	Course Code	Title of the Course	Credits			Total Credits
			L	T	U	
SPL 901	C	Research Methodology	2	1	0	3
SPL 902	C	Urbanization & Human Settlements	2	1	0	3
Interdisciplinary Course (3 Credits)						
To be decided later on	I	Student may opt interdisciplinary course from any department having minimum 3 credits	2	1	0	3
Total Credits: 9						

C: Core

I: Interdisciplinary

Semester-II

Course No.	Course Code	Title of the Course	Credits			Total Credits
			L	T	U	
SPS 911	C	Seminar	0	0	1	1

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SPL 901: RESEARCH METHODOLOGY

Credits: 03 (L=2, T=1, U=0)

Foundation of research - meaning, objectives, significance; Classification of research - pure and applied, exploring/ formulative research, descriptive research, diagnostic research/study, evaluation research/studies, action research, experimental research, historical research; Review of literature – need, purpose, literature search procedure, sources of literature, planning of review work, note taking; Planning of research – process, selection and formulation of a problem, hypothesis formation, research design/plan.

Sampling - sampling techniques, choice of sampling techniques, sampling frame and sample selection, sample size, sampling and non-sampling errors; Methods of data collection – meaning, importance, sources (primary v/s secondary), methods (cross-section, time series, panel data), schedule v/s questionnaires, guidelines for a good questionnaires, pilot studies and pre-tests; Processing of data – editing, classification and coding, transcription, tabulation; Presentation of spatial and non-spatial data - diagrams, graphs, cartograms, choropleth, choroschematic, chorochromatic.

Analysis of data - measures of central tendency (mean, median, mode), measures of dispersion (range, quartile deviation, mean deviation, standard deviation, coefficient of variation, lorenz curve), regression and correlation analysis, test of hypothesis – meaning, types, errors of hypothesis, methods – z test, t test, F test, chi square test; Report writing – types of reports, format of report, principles of report writing, chapterization, referencing, bibliography/references and index.

Suggested Readings:

1. 2014. Paneersalvem, Research Methodology, PHI, India
2. 2014, C.R. Kothari, Research Methodology, New Age International Publishers Ltd. New Delhi
3. 2012. Flick, Introducing Research Methodology, Sage Publications
4. 2007. S.P. Gupta.. Statistical Methods. Sultan Chand & Sons, New Delhi.
5. 2004. C. R. Kothari, Research Methodology: Methods and Techniques. 2nd Edition, New Age International Publishers, New Delhi.
6. 2003. Evans David, Paul Gruba and Justin Zobel, How to Write a Better Thesis. Springer, New Delhi
7. 2002. S. C. Gupta, and V. K. Kapoor, Fundamentals of Mathematical Statistics. Sultan Chand & Sons, New Delhi.

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SPL 902: URBANIZATION AND HUMAN SETTLEMENTS

Credits: 03 (L=2, T=1, U=0)

Urbanization: Concept, Objectives, and its broad issues. Global and Indian scenario; Urban Growth: Concept, Objectives; Role of balanced and un-balanced growth in Indian Cities: Impact of Urban Growth on city (Physical, Economic and Social).

Classification of Indian cities: emphasis on their spatial and social structure. National Urban Policy; National urban housing & Habitat policy; Punjab Housing & Urban Development Policy 2010; National commission urbanization.

Urban Development: Concept, Indicators and issues; JNNURM (Jawaharlal Nehru National Urban Renewal Mission) , UIDSSMT (Urban Infrastructure Development Scheme for Small and Medium Towns), SMART Cities, HRIDAY (Heritage City Development and Augmentation Yojna) and AMRUT (Atal Mission for Rejuvenation and Urban Transformation)

Suggested Readings:

1. 2009. Paul G. Lewis. Custodians of Place: Governing the Growth and Development of Cities. Max Neiman Georgetown University Press,
2. 2007. R. S. Sandhu and Jasmeet Sandhu, Globalising Cities: Inequality and Segregation in Developing Countries: Rawat. Jaipur
3. 2005. Yuri Kazepov (Ed), Cities of Europe: Changing Contexts Local Arrangements and Challenge to Urban Cohesion. Blackwell Publishing. U. K.:
4. 2005. Amitab Kundu, B. N. Singh and K.C. Sivaramakrishnan, A Handbook of Urbanization in India: An Analysis of trends and Processes: Oxford University Press. New Delhi
5. 2004. F. Webster, Information Society Reader: Routledge, Taylor and Francis. London
6. 2003. David Clark Urban World/Global City (2nd edition) Routledge
7. 2002. Peter Evans Livable Cities? Urban Struggles for Livelihood and Sustainability University of California Press. California
8. 1995. A. M. Van Der Woude; Akira Hayami; Jan De Vries Urbanization in History: A Process of Dynamic Interactions Clarendon Press, Oxford.
9. 1992. M. S. A. Rao, Urban Sociology in India. Orient Longman. New Delhi
10. 1984. Gidden, Sjoberg, The Pre-industrial City. Glencore: Free Press.
11. 1973. Ashish Bose, Studies in India's Urbanisations 1901-71. Tata Mcgraw Hill. New Delhi
12. 1968. Bergel E.B., Urban Sociology. Green World Press. New York

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SPS 911: SEMINAR

Credits: 01 (L=0, T=0, U=1)

The candidate will have to give one seminar on the topic suggested by the supervisor.