

Lecture Plan
Department of Planning, School of Planning and Architecture, Vijayawada

Name of Course: Planning Techniques (BPLN302)

Programme & Sem: **Bachelor of Planning, Semester Three**

Course Duration: July 16, 2018 to Nov, 2018

Course Coordinator: Valliappan AL., Assistant Prof., Dept. of Planning (valliappan.al@spav.ac.in)

Number of Credits: 03

Subject Category: Theory

Total Periods/Week: 3 (See Time Table for details)

Internal Assessment: 50 (minimum pass marks 50%)

End Evaluation: 50 (minimum pass marks 50%) – Written Exam.

Total Marks: 100 (to be converted to CGPA credit pattern as per regulations)

Subject Objective: To develop proficiency in applying suitable techniques of analysis in planning exercises

Week	Lecture / Session Topic (Teaching-Learning Objective aimed)	Session Mode (Optional)	References / Suggested Readings
Week 1 16 th July to 20 th July	Unit-1: Land and Population Parameters for study of population characteristics;	Lecture	1. Government of India (2015), Urban and Regional Development Plans Formulation and Implementation (URDPFI) Guidelines. Vol.I, Town and Country Planning Organisation, Ministry of Urban Development, New Delhi. 2. https://planningtank.com/planning-techniques/methods-of-conducting-density-survey-or-land-use-survey-of-a-city 3. https://www.economicsnetwork.ac.uk/sites/default/files/Dave%20Clark/1002a.pdf 4. www.tcd.ie/Economics/staff/paredesm/EC2040/Lecture06.pdf
Week 2 23 th -27 th July	Land use and Land use Survey methods	Lecture	
Week 3 30 th -3 rd August	Unit-2: Employment Analysis Employment Mobility and analysis of distribution vis-à-vis place of residence	Lecture	
Week 4 6 th August to 10 th August	Basic and secondary employment, multiplier analysis	Lecture	
Week 5 13 th August to - 17 th August	Unit-3: Input-Output Analysis Multi-sector input-output modelling	Lecture	
Week 6 20 th August to 24 th August	Assessment – 1: Time bound Test		
Week 7 27 th August-31 st August	Formulation of contingency tables;	Lecture	5. Everitt Brain & Hall (1977) The analysis of contingency tables. 6. Lectures on Contingency Tables. Steffen L.Lauritzen, Aalborg University, October 2002.
Week 8 01 st September- 9 th September	Field Work		
Week 9 10 th September- 14 th September	Input and output factor analysis	Lecture	7. Xinhao Wang and Rainer vom Hofe (2007). Research Methods in Urban and Regional Planning. Springer Publications.
Week 10 17 th September- 21 st September	Unit:4 Cost-Benefit Analysis Indentification of direct and indirect	Lecture	8. A Guide for Indirect Cost Rate Determination. 2014. U.S. Department of Labor.

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	costs and benefits;		
Week 11 24 th -28 th September	Assessment-II: Mid Semester Examination		
Week 12 01 October-05 th October	Social costs and benefits; Present value, future worth;	Lecture	9. https://eml.berkeley.edu/~saez/course131/costbenefit_ch08.pdf 10. www.its.caltech.edu/rosentha/courses/BEM103/Readings/JWch02.pdf
Week 13 08 October-12 th October	Discount and compound factors using formulas and standard tables	Lecture	11. Gittinger James Price(1984). Compounding and Discounting Tables for Project Analysis: With a guide to their Applications. World Bank Publications.
Week 14 15 October-19 th October	Dussera Break		
Week 15 22 nd -26 th October	Assessment-III: Written Test		
Week 16 29 th -2 nd November	Introduction to SWOT, IRR and NPV	Lecture	12. https://web.iit.edu/sites/web/files/departments/academic-affairs/academic-resourcecentre/pdfs/NPV_calculation.pdf 13. https://www.wallstreetmojo.com/internal-rate-of-return-irr/
Week 17 5 th November-9 th November	Unit 5: Delineation Techniques Gravity Model	Lecture	14. Haynes and Fotheringham (1984). Gravity model overview, Gravity and Spatial Interaction Models, 9-13. Sage Publications.
Week 18 12 th November-14 th November	Centrographic Technique and Distance Functions	Lecture	15. Siim Soot (1975). Methods and Measures of Centrography. A Critical Survey of Geographic Applications. Paper no.8. Edited by LUIS E ORTIS and Susan Gross, editors
	Finalisation of Internal Marks		

Note:

1. Any other closed holidays as declared by SPAV shall supercede the above lecture plan. Holidays shown above may alter as per Notice from time to time.
2. Assessment Sessions may be re-scheduled, with prior intimation.
3. Reading lists provided is not exhaustive and is subject to addition – students are advised to follow progression of class to keep abreast of the new reading lists, if any.