

# MODUL HANDBOOK SPATIAL PLANNING AND ENVIRONMENT



MASTER PROGRAM OF ENVIRONMENTAL SCIENCE  
SCHOOL OF POSTGRADUATE STUDIES  
DIPONEGORO UNIVERSITY

## Modul Descriptions :

Modul design	Spatial Planning and Environment
Semester(s) in which the module is taught	2 <sup>nd</sup> Semester
Person responsible for the module	Prof. Dr.Ir. Nany Yulastuti, MSP Prof. Dr.sc.agr. Iwan Rudiarto, S.T., M.Sc. Dr. Ir. Joesron Alie Syahbana, M.Sc.
Language	Indonesian and English
Relation to curriculum	Compulsory for Environmental Planning Concentration/Specialization
Teaching methods	Mix Method or Blended Learning by incorporating Lecture Based-learning, Student Centred-Learning and Technological Learning <ul style="list-style-type: none"> <li>• Lecture Based-Learning: teacher lead a lesson by using presentation, showing visual</li> <li>• Student Centred-Learning: teacher promote individual learning so that student can exploring individual idea</li> <li>• Technological Learning, teacher leads to use high technology in information such as by exploring, utilizing internet/searching engine and social media.</li> </ul>
Workload (incl. contact hours, self-study hours)	<ul style="list-style-type: none"> <li>• Lecture, 2 hours per week</li> <li>• Discussion and presentation (Q&amp;A), 1 hours per week</li> <li>• Individual assignment, 3 hours per week</li> <li>• Total workload for semester = 100 hours</li> </ul>
Credit points	2 credits / 4 ECTS
Required and recommended prerequisites for joining the module	No required prerequisite
Module objectives/intended learning outcomes	<ul style="list-style-type: none"> <li>• Able to formulate environmental management theory for environmental planning.</li> <li>• Able to formulate and carry out scientific research to solve environmental planning.</li> <li>• Able to formulate environmental management policies</li> <li>• Able to formulate rules, methods through environmental planning to improve the quality of life</li> <li>• Able to analysis environmental conditions, propose alternative of environmental planning.</li> </ul>

Content	Spatial Planning and environment course discuss about approaches of urban and regional planning and the implication for spatial and environment. This course study about basic concepts in urban and regional development and the changing of spatial and environment. This course study about urban structure associated with natural and build environment problems. By following this course, students can apply regional and city development strategies especially related to the green environment
Examination forms	<ul style="list-style-type: none"> <li>• Closed book or Open book</li> <li>• Essay</li> <li>• Individual and group assignments</li> </ul>
Study and examination requirements	Lecture attendance of at least 75%.
Reading list	<ol style="list-style-type: none"> <li>1. Filippova, R., &amp; Buchoud, N. (2020). A Handbook on Sustainable Urban Mobility and Spatial Planning: Promoting Active Mobility (No. ECE/TRANS/298).</li> <li>2. De Roo, G., Yamu, C., &amp; Zuidema, C. (Eds.). (2020). Handbook on planning and complexity. Edward Elgar Publishing.</li> <li>3. Atkinson, R., &amp; Zimmermann, K. (2018). European spatial planning policy. Handbook of European policy: Interpretive approach to the European Union, 156-172.</li> <li>4. Gunder, M., Madanipour, A., &amp; Watson, V. (Eds.). (2017). The Routledge handbook of planning theory. Routledge.</li> <li>5. Alexander, E. R. (2016). There is no planning—only planning practices: Notes for spatial planning theories. <i>Planning Theory</i>, 15(1), 91-103.</li> <li>6. Schroll, H., Andersen, J., &amp; Kjærgård, B. (2012). Carrying Capacity: An Approach to Local Spatial Planning in Indonesia. <i>Journal of Transdisciplinary Environmental Studies</i>, 11(1).</li> <li>7. Hillier, J., &amp; Healey, P. (Eds.). (2010). The Ashgate research companion to planning theory: conceptual challenges for spatial planning. Ashgate Publishing, Ltd.</li> <li>8. Hillier, J. (2008). Plan (e) speaking: A multiplanar theory of spatial planning. <i>Planning theory</i>, 7(1), 24-50.</li> <li>9. Hudalah, D., &amp; Woltjer, J. (2007). Spatial planning system in transitional Indonesia. <i>International Planning</i></li> </ol>

Studies, 12(3), 291-303.

10. Albrechts, L. (2006). Shifts in strategic spatial planning? Some evidence from Europe and Australia. *Environment and planning A*, 38(6), 1149-1170.

11. Kingston, R. (2011). Online public participation GIS for spatial planning. *The SAGE handbook of GIS and society*, 361-381.