

Module Description

Module name:	Spatial and Environmental Plans
Module level, if applicable	-
Code, if applicable	227D5223
Subtitle, if applicable	-
Courses, if applicable	Spatial and Environmental Plans
Semester(s) in which the module is taught	2
Person responsible for the module	1. Dr. Ir. Arifuddin Akil, M.T. 2. Sri Wahyuni, ST., MT.
Lectures	1. Dr. Ir. Arifuddin Akil, M.T. 2. Sri Wahyuni, ST., MT. 3. Laode Muh. Asfan Mujahid, ST., MT
Language	Bahasa Indonesia/ English
Relation to curriculum	This course is an elective course which is presented in the fourth semester/second year. This course serves as the basis for the preparation of an integrated plan and support for all LBE.
Type of teaching	1. Interactive lectures are used to study theories, principles, and concepts (time: week 1-7); 2. Project-based learning method to practice developing concepts in solving issues. (time: week 9-15); 3. Evaluation: mid-exam (week 8) and final-exam by doing presentation the result of a research (week 16).
Workload	This course consists of 3 credits in one meeting/ week. 1 credit equal to 50 minutes classroom meeting (face to face) plus 60 min teamwork assignment plus 60 min independent learning (outside class). In Total = 170 minutes per week x 16 weeks = 2,720 min or 45.33 hours.
Credit points	3
Requirements according to the examination regulations	Classroom attendance must be $\geq 80\%$ of the total 16 meetings.
Recommended prerequisites	-
Module objectives/intended learning outcomes	CLO 1 Students are able to understand terminology, content, processes and procedures related to the preparation of spatial and environmental plans (supports ILO 1, PI-1/3). CLO 2 Students are able to improve their understanding and ability to study, evaluate, and formulate spatial and environmental plans (supports ILO 2, PI-3/4, ILO 4, PI-3/3 ILO 5, PI-2/2). CLO 3 Students are expected to be able to improve their understanding and ability to describe infrastructure programs and practice integration of sectoral programs based on regional development and spatial plans and/or detailed spatial plans that have been

	<p>prepared (support ILO 3, PI-2/3, ILO 6, PI-3/4 ILO 8,PI-1/2, ILO 10, PI-4/4).</p> <p>The following table is mapping of the ILO and CLO in this course:</p> <table><tr><td></td><td>ILO 1</td><td>ILO 2</td><td>ILO 3</td><td>ILO 4</td><td>ILO 5</td><td>ILO 6</td><td>ILO 8</td><td>ILO 10</td></tr><tr><td>CLO 1</td><td>x</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>CLO 2</td><td></td><td>x</td><td></td><td>x</td><td>x</td><td></td><td></td><td></td></tr><tr><td>CLO 3</td><td></td><td></td><td>x</td><td></td><td></td><td>x</td><td>x</td><td>x</td></tr></table>		ILO 1	ILO 2	ILO 3	ILO 4	ILO 5	ILO 6	ILO 8	ILO 10	CLO 1	x								CLO 2		x		x	x				CLO 3			x			x	x	x
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Content	<p>Spatial and environmental planning courses as the basis for an integrated preparation that includes are:</p> <p>1. National Medium-Term Development Plan (RPJMN) consist of: National Long-Term Development Plan development vision, development mission, and national development agenda in the field of regional development and spatial planning;</p> <p>2. The theory of regional development, with a discussion of the notion of according to theory, the objectives of regional development, and the application of regional development;</p> <p>3. Strategic Development Area Approach (WPS), consist of: The Strategic Plan of the Ministry of PUPR (Renstra PU), the principles of development, the essence of WPS, and the factors that influence it.</p> <p>4. The relationship between the RTRW and the Detailed Spatial Plan with the development of the infrastructure plan, consist of: the linkage and integration of the RTRW, the national urban system plan, the content of the RTRW and Detailed Spatial Plan, and the role of infrastructure in urban area development.</p>																																				
Study and examination requirements and forms of examination	<p>This course will be graded as follows:</p> <p>1. Midterms Exam (30%)</p> <p>2. Final Exam (35%)</p> <p>3. Quiz (15%)</p> <p>4. Task (20%)</p> <table><tr><th>Percentage of Achievement</th><th>Grade</th><th>Conversion Value</th></tr><tr><td>85 – 100</td><td>A</td><td>4.00</td></tr><tr><td>80 - <85</td><td>A-</td><td>3.75</td></tr><tr><td>75 - < 80</td><td>B+</td><td>3.5</td></tr><tr><td>70 - < 75</td><td>B</td><td>3.0</td></tr><tr><td>65 - < 70</td><td>B-</td><td>2.75</td></tr><tr><td>60 - < 65</td><td>C+</td><td>2.5</td></tr><tr><td>50 - < 60</td><td>C</td><td>2.00</td></tr><tr><td>40 - < 50</td><td>D</td><td>1.00</td></tr><tr><td>< 40</td><td>E</td><td>0.00</td></tr></table>	Percentage of Achievement	Grade	Conversion Value	85 – 100	A	4.00	80 - <85	A-	3.75	75 - < 80	B+	3.5	70 - < 75	B	3.0	65 - < 70	B-	2.75	60 - < 65	C+	2.5	50 - < 60	C	2.00	40 - < 50	D	1.00	< 40	E	0.00						
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Media employed	SIKOLA, Zoom																																				

Reading list

1. Donald Watson, Alan Plattus, Robert Shibley. 2001. *Time-Saver Standards for Urban Design*. McGraw-Hill New York.
2. Evans, Peter. 2002. *Livable Cities? Urban Struggle for Livelihood and Sustainability*. University of California Press. Berkeley and Los Angeles, California.
3. Shirly Wunas. 2011. Kota Humanis, Integrasi Guna Lahan & Transportasi di Wilayah Suburban. Brillian Internasional, Surabaya.
4. Brian Roberts and Trevor Kamaley, 2006. Urbanization and Sustainability in Asia: Goos Practice Approaches in Urban Region Development. ADB, Manila.
5. John Tillman Lyle, 1994. Regenerative Design for Sustainable Development. John Wiley & Sons Inc, New York.
6. Peter Newman and Isabella Jennings, 2008. Cities as Sustainable Ecosystems: Principles and Practices. Islands Press, Washington DC.
7. Tai-Chee Wong. Belinda Yuen, 2011. Eco-City Planning: Policies, Practice and Design. Springer, Singapore.
8. Ananto Yudono. 2013. Isu, Prinsip, dan Ide Penataan kota Makassar Jilid 1. Badan Penerbit UNM, Makassar.
9. Carmen Hass-Klau. 1990. *The Pedestrian and City Traffic*. Belhaven Press, London.
10. Budhy Tjahyati et.al. 2005. Buku 1 Konsep dan Pendekatan Pembangunan Perkotaan di Indonesia. URDI dan Yayasan Sugijanto Soegijoko, Lembaga Penerbit FEUI, Jakarta.
11. Budhy Tjahyati et.al. 2005. Buku 2 Pembangunan Kota Indonesia dalam Abad 21. URDI dan Yayasan Sugijanto Soegijoko, Lembaga Penerbit FEUI, Jakarta.
12. Gideon S. Golany. 1995. Ethics And Urban Design, Culture, Form, and Environment. John Wiley & Sons, Inc, New York.
13. Mike Jenks and Nicola Demsey. 2006. Future Forms and Design for Sustainable Cities. Elsevier, Amsterdam.
14. Simon Eisner et.al. 1993. The Urban Pattern. Van Nostrand Reinhold. New York.
15. Wheeler, Stephen M. 2004. Planning for Sustainability, Creating Livable, Equitable, and Ecological Communities. Routledge Taylor and Francis Group. London and New York.
16. Chappel, Karen. 2015. Planning Sustainable Cities and Regions: Towards More Equitable Development. Routledge Taylor and Francis Group. London and New York.
17. Bigio, Anthony G., Dahiya, Bharat. 2004. Urban Environment and Infrastructure Toward Livable Cities. The World Bank. Washington, DC.
18. World Bank. 1996. Livable Cities for 21st Century, Directions in Development. The World Bank. Washington, DC.
19. UN Habitat. 2013. Planning and Design for Sustainable Urban Mobility. Global Report on Human Settlements 2013. Routledge. New York.
20. Montgomery, Charles. 2013. Happy City : Transforming Our Lives Through Urban Design. Farrar, Straus, and Giroux. New York.
21. Mc Laren, Duncan, and Agyeman, Julian. 2015. Sharing Cities : A Case for Truly Smart and Sustainable Cities. The MIT Press, Cambridge, Massachusetts. London, England.

22. Riddell, Robert. 2004. Sustainability Urban Planing. Blackwell Publishing Ltd. Oxford.
23. Brown, Lance Jay., Dixon, David., Gillham, Oliver. 2013. Urban Design for an Urban Century : Shaping More Livable, Equitable, and Resilient Cities. Second Edition. John Wiley & Sons, Inc., Hoboken, New Jersey.
24. Clark, II, Woodrow W, and Russel V. 2010. *Sustainable Communities*. New York.: Springer.

Regulations

25. UU No. 26 Tahun 2007 Tentang Penataan Ruang;
26. UU No. 32 Tahun 2009 tentang Perlindungan dan Pengelolaan Lingkungan Hidup;
27. Permen PU 06/PRT/M/2007/ tentang Pedoman Umum Rencana Tata Bangunan dan Lingkungan;
28. Permen PU Umum No. 12/PRT/M/2009 tentang Ruang Terbuka Hijau (RTH).

Others Document

29. The Global Livability Index 2019. A free overview. A report by The Economist Intelligence Unit.