Module Description

Module name:	Livable and Sustainable Urban Planning
Module level, if applicable	-
Code, if applicable	342D5213
Subtitle, if applicable	-
Courses, if applicable	Livable and Sustainable Urban Planning
Semester(s) in which the module is taught	5
Person responsible for the module	Dr. Ir. Arifuddin Akil, M.T.
Lectures	1. Prof. Dr. Ir. Ananto Yudono, M.Eng 2. Dr. Ir. Arifuddin Akil, M.T. 3. Sri Wahyuni, S.T., M.T
Language	Bahasa Indonesia
Relation to curriculum	This course is an elective course which is presented in the fifth year/ third semester. This course supports students who want to concentrate on LBE Urban Planning and Design.
Type of teaching	1. Interactive lectures are used to study theories, principles, and comparative studies (time: week 1-14); 2. Project-based learning method to practice developing concepts in solving issues. (time: week 15-16); 3. Evaluation: mid-exam (week 8) and final-examination 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	The number of student attendance is at least 80% of the total meeting.
Recommended prerequisites	-
Module objectives/intended learning outcomes	CLO 1 Students are able to develop logical, systematic thinking in identifying and critiquing issues and problems in urban areas/city that exist in the BMI (Indonesian Maritime Continent) area related to theories and principles as well as conducting a comparative study of livable and sustainable city planning (supports ILO 1, PI-2/3); CLO 2 Students are able to conduct studies to compare the existing conditions of the study area with the principles, theories, norms and applicable laws/regulations related to livable and sustainable cities and skilled in formulating and analyze data related to the

characteristics and planning issues in a city or urban areas related to livable and sustainable (supports ILO 2, PI-4/4);

CLO 3 Students are able to conduct surveys, analyze data, issues and information related to livable and sustainable urban planning and formulate concepts and/or plans for solving problems and/or designing urban areas, creatively based on theories, principles, local wisdom, and applicable regulations (supports ILO 3, PI-3/3);

CLO 4 Students are able to develop soft skills: critical thinking to formulate planning strategies in realizing a livable and sustainable urban, communicative, creative and innovative, decision making, collaborating with teams (supports ILO 4, PI-2/3).

The following table is mapping of the ILO and CLO in this course:

	ILO 1	ILO 2	ILO 3	ILO 4
CLO 1	x			
CLO 2		x		
CLO 3			x	
CLO 4				x

Content

This course discusses regarding livable and sustainable city theories; explores and applies NSPK; comparative studies; analyze and formulate concepts to develop livable and sustainable urban planning.

Study and examination requirements and forms of examination

This course will be graded as follows:
1. Midterms Exam (30%)
2. Final Exam (35%)
3. Quiz (15%)
4. Task (20%)

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

Media employed

SIKOLA, Zoom meeting

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

22. Mc Laren, Duncan, and Agyeman, Julian. 2015. Sharing Cities : A Case for Truly Smart and Sustainable Cities. The MIT Press, Cambridge, Massachusetts. London, England.
23. Riddell, Robert. 2004. Sustainability Urban Planing. Blackwell Publishing Ltd. Oxford.
24. 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.
25. Clark, II, Woodrow W, and Russel V. 2010. Sustainable Communities. New York.: Springer.

Regulations

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

Others Document

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