

## 24. Module Handbook of Study of Transport and Regional Connection Systems

Module designation	.The Transportation and Regional Connection Systems Study course is an elective course of interest offered in semester 2 in the Master of Geography study program. This course explains the concepts and theories of transportation and regional connection systems, stages of development of transportation and regional connection systems, transportation characteristics (land, air, sea, and rail) and regional connections, network analysis and regional connectivity, spatial interaction and regional connection, basic transportation planning and regional connection							
Semester(s) in which the module is taught	Even							
Person responsible for the module	Prof. Dr. Sri Rum Giyarsih, S.Si., M.Si. Dr. Djaka Marwasta, S.Si., M.Si. Dr. Dyah Rahmawati Hizbaron, S.Si., M.T., M.Sc.							
Language	Indonesian							
Relation to curriculum	Elective							
Teaching methods	SCL: <i>Team-based Project/Case-based Learning/PBL</i>							
Workload (incl. contact hours, self-study hours)	CLO1	Interactive discussions in class	3 meetings 6 x 50 minutes of classroom lectures and discussions					
	CLO2	Interactive discussions in class and assignments	2 meetings 4 x 50 minutes of classroom lectures and discussions 2 x 60 minutes of self-paced tasks					
	CLO3	Interaction discussions in class and assignments	2 meetings 4 x 50 minutes of classroom lectures and discussions 2 x 60 minutes of self-paced tasks					
	CLO4	Interaction discussions in class and assignments	3 meetings 6 x 50 minutes of classroom lectures and discussions 2 x 60 minutes of independent assignment (literature study and evaluation of literature study results in writing)					
	CLO5	Interaction discussions in class and assignments	4 meetings 8 x 50 minutes of classroom lectures and discussions 3 x 60 minutes of self-assignment (case study and evaluation of results in writing and presentation)					
Credit points	Assessment Techniques	Percentage of Assessment (%)	Criteria/ Indicators	CLO (%)				
				1	2	3	4	5
	Participatory Activities	10	Contribution of class discussion activities in each subject matter of the lecture		10			10
	<i>Project Results/ Case Study Results/ PBL Results</i>	50	Natural Resource Problem Analysis Economic review Case study and PBL assessment rubric		10		40	50

	Cognitive						
	Assignment	20	Task command conformance and task results Task rubric		10		10 20
	Final Exam	20	Answer key Final Exam assessment rubric		10		10 20
	Total	100					
Required and recommended prerequisites for joining the module	Taken after taking compulsory courses and adapted to the theme of the thesis						
Module objectives/intended learning outcomes	<b>ELO B1</b>	Capable of advancing geographical knowledge, technology, or art through research to produce credible scientific works.					
	<b>CLO1</b>	Understand the concepts and theories of transportation and regional connection systems, stages of development, advantages and disadvantages of modes and means of transportation, transportation supply and demand, relationships with spatial planning and transportation problems, planning objectives and performance indicators of transportation systems. [CPL B1]					
Content	<b>CLO1</b>	<ol style="list-style-type: none"> <li>1. Definition, scope, development of transportation studies and the importance of transportation studies</li> <li>2. Themes in the study of Transportation Studies</li> <li>3. Travel classification, distance concept, circulation concept, and transportation function</li> <li>4. Ullman's Concept, Axis Theory, Black Hole Theory</li> <li>5. Stages of development of transport</li> <li>6. Advantages and disadvantages of various modes and types of means of transportation</li> <li>7. Transport mode preferences</li> <li>8. Transport and spatial relations</li> <li>9. Transportation demand and supply</li> <li>10. The position of transportation in spatial planning</li> <li>11. The relationship of transport to land use</li> <li>12. Transport issues</li> <li>13. Purpose of transport planning</li> <li>14. Transport system performance indicators</li> </ol>					
Examination forms	Final Exam						
Study and Examination Requirements	The examination is carried out offline and the questions are made in the form of a case study and covers CLO1, CLO2 and CLO3; The assessment based on results Participatory Activities 10%, Project result 50%, Assignment 20%, Summative Test (Mid-term and Final Exam) 20%.						
Reading list	<b>Main:</b> <ol style="list-style-type: none"> <li>1. Abler, Ronald, Adams and Gauld. 1972. <i>Spatial Organization the Geographer of the World</i>. New Jersey: Prentice Hall Inc.</li> <li>2. Abukasan, dan Jan Delima. 1974. <i>Perencanaan Transportasi</i>. Bandung: Institut Teknologi Bandung.</li> </ol>						

	<ol style="list-style-type: none"> <li>3. Anonim. 1997. <i>Konsepsi Awal Sistem Transportasi Wilayah</i>. Jakarta: Departemen Perhubungan.</li> <li>4. Anthony J. Catanese, James C. Snyder dan Susongko. 1984. <i>Pengantar Perencanaan Kota</i>. Jakarta: Erlangga.</li> <li>5. Branch. 1995. <i>Perencanaan Kota Komprehensif (edisi terjemahan)</i>. Yogyakarta: Gajah Mada Press.</li> <li>6. Hobbs. 1995. <i>Perencanaan dan Teknik Lalu Lintas</i>. Yogyakarta: Gajah Mada Press.</li> <li>7. Hurst Eliot M (ed). 1974. <i>Transportation Geography</i>. New York: Mc Graw Hill Bank.</li> <li>8. Marbun, B.N, 1990. <i>Kota Indonesia Masa Depan, Masalah dan Prospek</i>. Jakarta: Erlangga.</li> <li>9. Morlok, Edward. 1988. <i>Pengantar Teknik Perencanaan Transportasi</i>. Jakarta: Erlangga.</li> <li>10. Rustian Kamaluddin. 1986. <i>Ekonomi Transportasi</i>. Jakarta: Ghalia Indonesia.</li> <li>11. Schumer. 1974. <i>Planning for Public Transport</i>. London: Hutchinson.</li> <li>12. Susan Hanson(ed.). 1986. <i>The Geography of Urban Transportation</i>. New York: The Guilford Press.</li> <li>13. Tamin, Ofyar Z. (ed 2). 2000. <i>Perencanaan dan Permodelan Transportasi</i>. Bandung: ITB Press.</li> <li>14. Teaffe, E.J. and H.L. Ganthier. 1973. <i>Geography of Transportation</i>. New Yersey : Printice Hall.</li> <li>15. Warpani, Suwardjoko. 1984. <i>Analisis Kota dan Daerah</i>. Bandung: ITB Pres</li> <li>16. Warpani, Suwardjoko. 1990. <i>Merencanakan Sistem Perangkutan</i>. Bandung: ITB Press.</li> </ol>
	<p><b>Additional:</b></p> <p>-</p>