

STRUKTUR KURIKULUM S2 ARSITEKTUR

Kode	Mata Ajar	Subjects	Peminatan					
			AD	UD	UHS	P	ATH	AS
Semester 1								
ENAR801001	Metode Perancangan Lanjut dan Penelitian	Advanced Design and Research Methods	4	4	4	4	4	4
ENAR801002	Teori Arsitektur Lanjut	Advanced Architectural Theories	3	3	3	3	3	3
ENAR801106	Studio Perancangan Arsitektur 1	Architectural Design Studio 1	5					
ENAR801209	Studio Perancangan Perkotaan 1	Urban Design Studio 1		5				
ENAR801312	Studio Perumahan dan Permukiman Perkotaan 1	Urban Housing and Settlement Studio 1			5			
ENAR801415	Workshop Properti 1	Property Workshop 1				5		
ENAR801518	Workshop Sejarah dan Teori Arsitektur 1	History and Theory Workshop 1					5	
ENAR801621	Workshop Arsitektur dan Keberlanjutan 1	Architecture and Sustainability Workshop 1						5
		Sub Total	12	12	12	12	12	12
Semester 2								
ENAR802107	Teori Perancangan Arsitektur	Architectural Design Theories	3					
ENAR802210	Teori Perancangan Perkotaan	Urban Design Theories		3				
ENAR802313	Teori Perumahan dan Permukiman Perkotaan	Urban Housing and Settlement Theories			3			
ENAR802416	Teori Properti	Property Theories				3		
ENAR802519	Teori dan Sejarah Arsitektur	Architectural Theory and History					3	
ENAR802622	Workshop Arsitektur dan Keberlanjutan 1	Architecture and Sustainability Workshop 1						3
ENAR802108	Studio Perancangan Arsitektur 2	Architectural Design Studio 2	5					
ENAR802211	Studio Perancangan Perkotaan 2	Urban Design Studio 2		5				
ENAR802314	Studio Perumahan dan Permukiman Perkotaan 2	Urban Housing and Settlement Studio 2			5			
ENAR802417	Workshop Properti 2	Property Workshop 2				5		
ENAR802520	Workshop Sejarah dan Teori Arsitektur 2	History and Theory Workshop 2					5	
ENAR802623	Workshop Arsitektur dan Keberlanjutan 2	Architecture and Sustainability Workshop 2						5
	Pilihan	Elective	3	3	3	3	3	3
		Sub Total	11	11	11	11	11	11
Semester 3								
ENAR800003	Pra Tesis	Pre-Thesis	4	4	4	4	4	4
	Pilihan	Elective	3	3	3	3	3	3
		Sub Total	7	7	7	7	7	7
Semester 4								
ENAR800004	Publikasi Ilmiah	Scientific Publication	2	2	2	2	2	2
ENAR800005	Tesis	Thesis	8	8	8	8	8	8
		Sub Total	10	10	10	10	10	10
		Total	40	40	40	40	40	40

Bidang Peminatan:

- AD = Architectural Design (Perancangan Arsitektur)
UD = Urban Design (Perancangan Perkotaan)
UHS = Urban Housing and Settlement (Perumahan dan Permukiman Perkotaan)
P = Property (Properti)
ATH = Architectural Theory and History (Teori dan Sejarah Arsitektur)
AS = Architecture and Sustainability (Arsitektur dan Sustentabilitas)

MATA AJAR PILIHAN

Kode	Mata Kuliah	Elective Course	Credit
ENAR800524	Arsitektur Etnik	Ethnic Architecture	3
ENAR800525	Arsitektur dan Ruang Sinematik	Architecture and Cinematic Space	3
ENAR800526	Arsitektur dan Teks	Architecture and Text	3
ENAR800327	Arsitektur di Kawasan Pesisir	Coastal Architecture	3
ENAR800228	Arsitektur, Kota, dan Kuasa	Architecture, City, and Power	3
ENAR800529	Arsitektur Pusaka	Heritage Architecture	3
ENAR800630	Bangunan Hemat Energi	Energy Efficient Building	3
ENAR800131	Desain Komputasi dan Permodelan Parametrik	Computational Design and Parametric Modelling	3
ENAR800632	Fasad Bangunan Tinggi	High-Rise Building Façades	3
ENAR800133	Geometri dan Arsitektur	Geometry and Architecture	3
ENAR800334	Kebijakan Perumahan	Housing Policy	3
ENAR800135	Keseharian dan Arsitektur	Everyday and Architecture	3
ENAR800636	Manajemen Proyek	Project Management	3
ENAR800337	Memahami Fenomena: Plato sampai dengan Derrida	Understanding Phenomenon: Plato to Derrida	3
ENAR800238	Perencanaan Kota	City Planning	3
ENAR800039	Kajian Mandiri	Independent Study	3
ENAR800040	Kapita Seleкта	Capita Selecta	3
ENAR800041	Topik Khusus Perancangan Arsitektur	Special Topic on Architectural Design	3
ENAR800042	Topik Khusus Perancangan Perkotaan	Special Topic on Urban Design	3
ENAR800043	Topik Khusus Perumahan dan Permukiman Perkotaan	Special Topic on Urban Housing and Settlement	3
ENAR800044	Topik Khusus Properti	Special Topic on Property	3
ENAR800045	Topik Khusus Sejarah, Teori dan Kritik Arsitektur	Special Topic on Architectural History, Theory and Criticism	3
ENAR800046	Topik Khusus Sustainability	Special Topic on Sustainability	3
ENAR800047	Teaching Assistantship	Teaching Assistantship	3

STRUKTUR KURIKULUM PROGRAM SARJANA-MAGISTER JALUR CEPAT (FAST TRACK)

Mata Ajar	sks	Mata Ajar	sks
Semester 7		Semester 1	
Mata Ajar Pilihan S1: Metode Perancangan Lanjut dan Penelitian	4	Mata Ajar Wajib S2: Metode Perancangan Lanjut dan Penelitian	4
Mata Ajar Pilihan S1: Teori Arsitektur Lanjut	3	Mata Ajar Wajib S2: Teori Arsitektur Lanjut	3
Mata Ajar Pilihan S1 (diambil dari Mata Ajar Pilihan S2)	3	Mata Ajar Pilihan S2	3
		Sub Total	10
Semester 8		Semester 2	
Mata Ajar Pilihan S1: Teori Kekhususan	3	Mata Ajar Wajib S2: Teori Kekhususan	3
Mata Ajar Pilihan S1 (diambil dari Mata Ajar Pilihan S2)	3	Mata Ajar Pilihan S2	3
		Studio/Workshop Kekhususan 2	5
		Sub Total	11
		Semester 3	
		Studio/Workshop Kekhususan 1	5
		Pra-Tesis	4
		Sub Total	9

		Semester 4	
		Tesis	8
		Publikasi Ilmiah	2
		Sub Total	10
Total sks Transfer Kredit	16 (40%)	Total sks S2	40

DESKRIPSI MATA AJAR WAJIB

ENAR801001 METODE PERANCANGAN LANJUT DAN PENELITIAN 4 SKS

Tujuan Pembelajaran:

Menjelajahi teori dan metode perancangan yang banyak mendapat perhatian kritikus di dunia arsitektur dan perancangan. Mahasiswa mampu memilih pendekatan yang sesuai untuk penelitian arsitektural baik itu yang berkaitan dengan penelitian perancangan arsitektur, perancangan perkotaan, permukiman dan perumahan perkotaan, sejarah dan teori arsitektur, real estate, teknologi bangunan. Sasarannya adalah mahasiswa mampu menyusun proposal penelitian arsitektur secara tepat.

Silabus:

Metode penelitian: Berpikir dan meneliti arsitektural; terminologi (ontologis, psikologis); teks arsitektural dan gaya bahasa; pertanyaan riset, argumen riset; logika riset; asumsi dan paradigma; strategi dan taktik meneliti; penyusunan proposal riset.

Metode perancangan lanjut: Riset desain (*design research*), kaitan antara riset dan desain; *thesis statement*; bentuk-bentuk argumentasi arsitektur; penjelajahan teori dan metode perancangan yang banyak mendapat perhatian kritikus di dunia arsitektur dan perancangan.

Prasyarat: Tidak ada bagi peserta Program Magister Arsitektur. Atas ijin pengajar bagi peserta Program Sarjana Arsitektur.

Buku Ajar:

1. J.M. Bochenski, *The Methods of Contemporary Thoughts*, Harper Torchbook, 1968
2. G. Broadbent, *Design in Architecture: Architecture and the Human Sciences*, David Fulton Publisher, 2000;
3. Sir Karl Popper, *The Logic of Scientific Discovery*, Routledge Classic, 2002
4. T. Y.Hardjoko, *Panduan Meneliti dan Menulis Ilmiah*, Departemen Arsitektur, 2005
5. F. Crews, *The Random House Handbook*, 3rd ed, Random House, 1980
6. Edward Tufte, *Envisioning Information*, Graphics Press, 1983
7. John Zeisel, *Inquiry by Design: Environment/Behavior/Neuroscience in Architecture, Interiors, Landscape, and Planning*, W. W. Norton, 2006
8. Linda Groat & David Wang, *Architectural Research Methods*, John Wiley & Sons, 2002
9. Murray Fraser (Ed). *Design Research in Architecture*, Routledge, 2013
10. Philip Plowright, *Revealing Architectural Design: Methods, Frameworks, Tools*, Routledge, 2014
11. Bryan Lawson, *How Designers Think: The Design Process Desmystified*, Architectural Press, 2005
12. Hazel Clark dan David Brody (eds), *Design Studies: A Reader*, Berg, 2009.
13. Nigel Cross, *Designerly Ways of Knowing*, Birkhauser, 2007

ENAR801002

TEORI ARSITEKTUR LANJUT

5 SKS

Tujuan Pembelajaran:

Mahasiswa diperkenalkan oleh teori arsitektur lanjut bersifat umum dan yang memberikan landasan bagi riset masing-masing kekhususan, yakni, perancangan lanjut arsitektur (proses kreatif); arsitektur dan humaniora, serta arsitektur dan teknologi (khususnya sustainabilitas). Fokus tetap pada fenomena arsitektural - aspek ruang, tempat dan bentuk/wujud; dalam skala mulai dari ruangan privat sampai dengan perkotaan.

Silabus:

Architecture as a discipline: space, place/non-place (topia, utopia, heterotopia, dystopia); Architectural form, design thinking and process (positivism, rationalism, tame/wicked problem, IBIS, pattern language, diagram);

Architecture and property development (real estate);

Socio-cultural aspects in architecture: historiography, evolution/ history of human settlement (human life-cycle space, culture and the politics of space);

Architecture and sustainability: building physics, construction and technology.

Prasyarat: -**Buku Ajar:**

1. -----, *The Appraisal of Real Estate 13th edition*, Appraisal Institute, 2008
2. Christopher Alexander, *Notes on the Synthesis of Form*, Harvard University Press Publication, 1964
3. Andrew Ballantyne (ed.), *Architecture Theory, A Reader in Philosophy and Culture*, Continuum, 2005
4. S Bell et.al. *Sustainability Indicators: Measuring the Immeasurabel?*, Earthscan Publications Ltd, 2000
5. A Bertaud, *The Regulatory Environment of Urban Land in Indonesia: Constrains Imposed on the Poor and Impact of World Bank's Urban Projects*, Asia Technical Department, 2003
6. Ricky Burdet eds, *Living in the Endless City: The Urban Age Project by the London School of Economics and Deutsche Bank's Alfred Herrhausen Society*, Paidhon, 2011
7. Stephen Cairns, Greig C Crysler, and Hilde Heynen, *The SAGE Handbook of Architectural Theory*, Sage Publication, 2012
8. Adrian Forty, *Words and Buildings, A Vocabulary of Modern Architecture*, Thames and Hudson, 2000
9. Bernd Evers and Christof Thoenes (eds), *Architectural Theory from the Renaissance to the Present*, Taschen, 2003
10. Michael K Hays, *Architecture Theory since 1968*, MIT Press, 1998
11. Triatno Y Hardjoko, *Urban Kampung. Its Genesis and Transformation into Metropolis, with particular reference to Penggilingan in Jakarta*, VDM, 2009
12. Charles Jencks (eds.), *Theories and Manifestoes*, Academy Editions, 1997
13. Keith Jenkins, *Re-thinkingHistory*, Routledge, 1991
14. Paul Alan Johnson, *The Theory of Architecture: Concepts, Themes & Practices*, Van Nostrand Reinhold, 1994
15. Hanno-Walter Kruft, *A History of Architectural Theory from Vitruvius to The Present*, Princeton Architectural Press, 1994
16. M Larice and E Mcdonald (eds), *Urban Design Reader*, Routledge, 2006
17. Henri Lefebvre translated by Donald Nicholson-Smith, *The Production of Space*, Blackwell, 1991
18. Miko E Miles, Gayle Berens, and Marc A Weiss, *Real Estate Development*, Urban Land Institue, edisi terakhir
19. M Mostavi at all (eds.), *Ecological Urbanism*, Lars Muller Publisher, 2010
20. Kate Nesbitt (Ed), *Theorizing, A New Agenda for Architecture, An Anthology of Architectural Theory*, Princeton Architectural Press, 1996
21. Jean-Pierre Protzen and David J Harris, *The Universe of Design: Horst Rittel's Theories of Design and Planning*, Routledge, 2010
22. W Rutz, *Cities and Towns in Indonesia: Their Development, Current Positions and Functions with Regard to Administration and Regional Economy*, Gebrunger Borttraeger, 1987
23. Christian Norbrg Schulz, *Intentions in Architecture*, MIT Press, 1968
24. D G Shane, *Recombinant Urbanism: Conceptual Modeling in Architecture, Urban Design and City Theory*, Academy Press, 2005
25. James D Shilling, *Real Estate*, Oncourse Learning, 2001
26. D'Arcy Thompson, *On Growth and Form*, Cambridge University Press, 1987

ENAR801106
STUDIO PERANCANGAN ARSITEKTUR 1
5 SKS

Tujuan Pembelajaran:

Mahasiswa mampu mengeksplorasi dan mengembangkan argumen untuk konsep rancangan arsitektural berbasis riset dan metode perancangan dalam konteks urban.

Silabus:

Pengembangan argumen logis berdasarkan riset desain, metode dan perancangan dalam studio yang di dalamnya terkait dengan konsep desain, isu, kata kunci, teori desain dan program pada suatu konteks urban berdasarkan gagasan tertentu. Pengumpulan data berdasarkan parameter-parameter penentu secara eksternal dan internal yang membentuk ruang. Identifikasi isu yang terkait dengan keberlanjutan lingkungan dan konteks iklim tropis, dan formulasi program sebagai *spatial journey*. Aspek tektonik meliputi bentuk, struktur dan sistem bangunan. Pengetahuan mengenai perancangan berbasis tipologi dan topologi. Pertimbangan akan aspek keselamatan, dan kesehatan. Penguasaan aspek ekspresi arsitektural melingkupi model, sketsa, gambar arsitektural dan media digital.

Prasyarat: -

Buku Ajar:

1. Christopher Alexander, *A Pattern Language*, Oxford University Press, 1977
2. Peter Eisenman, *Diagram Diaries*, Thames & Hudson, 1999
3. William McDonough and Michael Braungart, *The UpCycle: Beyond Sustainability - Designing for Abundance*, Melcher Media: A Northpoint Press, 2013
4. Jean-Michel Kantor, "A Tale of Two Bridges: Topology and Architecture" in *Nexus Network Journal*, Volume 7, Issue 2, November 2005, pp 13-21
5. Works and thoughts of Zaha Hadid, Frank Gehry, Rem Koolhaas, Bernard Tschumi, Stephen Holl, Bjarke Ingels, Julien De Smedt, etc.

ENAR801209
STUDIO PERANCANGAN PERKOTAAN 1
5 SKS

Tujuan Pembelajaran:

Membekali mahasiswa dengan dasar-dasar analisis dan ketrampilan menerapkan kaidah rancang kota secara bertahap, mulai dari menata unsur unsur tata ruang kota hingga menyusun perangkat kendali pemakaian ruang kota sampai batas tertentu, dengan obyek/kasus studio adalah penggal jalan (*strip*) atau lingkungan/kawasan campuran (*mixed used*). Mahasiswa diperkenalkan dengan dasar dasar aplikasi rancang kota dengan menggunakan hasil analisis yang dilakukan secara mendalam dan tajam terhadap konteks dan isu kawasan.

Silabus:

Site yang dipilih adalah sepenggal jalan atau kawasan yang sedapat mungkin cukup kompleks dan memiliki keragaman unsur dan elemen kota sehingga dapat memberi peluang bagi mahasiswa untuk melakukan "*multiple analyses*". Memahami dan menerapkan ide "*place making*" dalam ranah privat maupun publik, ruang terbuka maupun bangunan, untuk mewujudkan kebutuhan individu maupun komunitas/public. Mengkaji secara kritis dalam skala dan konteks yang lebih luas berbagai tipe rencana dan peraturan kota termasuk master plan, zoning, UDGL, dsb.

Prasyarat: -

Buku Ajar:

1. Carmona, Matthew et.al, *Public Spaces Urban Spaces*. Oxford: Architectural Press, 2003
2. Gehl, Jan, *How to Study Public Life*, Copenhagen: Island Press, 2013
3. Hester, Randolph T., *Design for Ecological Democracy*, Cambridge, MA: The MIT Press, 2010
4. Shane, Graham, *Recombinant Urbanism*. Great Britain: John Willeys & Sons, 2005
5. Jacobs, Allan B., *Looking at Cities*. Cambridge, MA: Harvard University Press, 1985
6. Krier, Rob, *Urban Space*. New York: Rizzoli Int. Publication, 1970
7. Lynch, Kevin, *Good City Form*. Cambridge, MA: MIT Press., 1984
8. Larice, Michael, *Urban Design Reader*, London: Routledge, 2012
9. National Association of City Transportation Officials, *Urban Street Design Guide*, Copenhagen: Island Press, 2013

10. Rossi, Aldo, *The Architecture of the City*. Cambridge, MA: MIT Press, 1982

ENAR801312

STUDIO PERUMAHAN DAN PERMUKIMAN PERKOTAAN 1

5 SKS

Tujuan Pembelajaran:

Mampu merancang proyek perumahan berbasis mekanisme pasar; program perancangan mencakup kajian kelayakan pasar, ekonomi pasar, lokasi dan tipe-tipe rumah.

Silabus:

Kajian kelayakan proyek perumahan mencakup permintaan pasar, ekonomi perumahan; Proses perancangan mencakup literatur preseden berdasarkan sumber-sumber dari luar dan dalam negeri; pengembangan rancangan; model dari proyek perumahan; Laporan perancangan mencakup ekonomi perumahan, rancangan teknis termasuk model/maket dari proyek perumahan.

Prasyarat: -

Buku Ajar:

1. C A Doxiades, *Ekistics: An Introduction to the Science of Human Settlements*, Oxford University Press, 1968
2. John Macsai F.A.I.A. et. al., *Housing*, John Wiley & Sons, 1982.
3. Jörg Blume (ed.), *Housing for the Future: Projects in Germany 1996*, Inter -Nationes, 1996
4. Direktorat Jenderal Cipta Karya, Dep. PU, *Pedoman Teknik Perencanaan Perumahan Flat dan Maisonette*, 1981
5. DC Corporate Documentation, *Real Estate Investment Calculations*
6. The Dewberry Companies, *Land Development: Planning, Engineering and Surveying*, McGraw-Hill, 2004
7. Joshua Kahr and Michael C. Thomsett, *Real Estate Market Valuation and Analysis*. John Wiley & Sons, 2005

ENAR801415

WORKSHOP PROPERTI 1

5 SKS

Tujuan Pembelajaran:

Mempelajari kaitan antara arsitektur dan kegiatan real estate dalam suatu proyek skala kecil. Berkaitan dengan inovasi tempat untuk kegiatan manusia seperti building type baru, gaya hidup, segmentasi pasar, dan lain-lain.

Silabus:

The dream & the product; the products (precedence): residential property, commercial/ retail property, office building/ property for working; money matters/ feasibility study; the products & the users/ lifestyle; management aspects of a property product; The proposed products (future): residential property, commercial/ retail property, office building/ property for working; finance & management.

Prasyarat: -

Buku Ajar: -

ENAR801518

WORKSHOP SEJARAH DAN TEORI ARSITEKTUR 1

5 sks

Tujuan Pembelajaran:

Mahasiswa menguasai riset sejarah yang berkaitan dengan *historiography* dan *artifact* arsitektur.

Silabus:

Historiografi Arsitektur: menggunakan berbagai metodologi untuk membuat historiografi arsitektur; *Artifact: Heritage of architecture and cities*; memperkenalkan bagaimana *heritage* kota/arsitektur sebagai artifak yang signifikan untuk

didokumentasikan.

Prasyarat: -

Buku Ajar:

1. Iain Borden and David Dunster (eds), *Architecture and the Sites of History: Interpretations of Buildings and Cities*, Butterworth Architecture, 1995
2. E H Carr, *What is History?*, Penguin Books, 1961
3. Keith Jenkins, *Rethinking History*, Routledge, 1991
4. Hayden White, *Tropics of Discourse: Essays in Cultural Criticism*, The Johns Hopkins University Press, 1978
5. Hayden White, "The Burden of History", *History and Theory*, Vol. 5, No. 2, 1966 pp. 111-134
6. Mona Lohanda (ed), *Arsip dan Sejarah*, ANRI, 1980
7. G W F Hegel tr. J. B. Baillie, *Phenomenology of Mind*, 1910; 2nd ed. 1931
8. G W F Hegel tr. A. V. Miller, *Hegel's Phenomenology of Spirit*, Oxford University Press, 1977

ENAR801621

WORKSHOP ARSITEKTUR DAN KEBERLANJUTAN 1

5 SKS

Tujuan Pembelajaran:

Mahasiswa dapat mengembangkan dan menerapkan teori teknologi bangunan dalam suatu proyek penelitian perancangan skala kecil.

Silabus:

Pengukuran kenyamanan termal dan pendinginan pasif, perancangan dan evaluasi pencahayaan alami, metode pengendalian dan evaluasi suara, perencanaan penggunaan energy alternatif

Prasyarat: -

Buku Ajar:

1. Dominique Gauzin-Muller, *Sustainable Architecture and Urbanism*, Birkhauser, 2002
2. Earl R. Babbie, *The Practice of Social Research*, Belmont: Wadsworth Publ. Co.Inc, 1973
3. Giancolli DC. *General Physics*, Prentice Hall Inc, 1984
4. James Ambrose, *Simplified Design for Building Sound Control*, John Wiley & Sons, 1995
5. Leslie L Doelle and Lea Prasetio, *Akustik Lingkungan*, Erlangga, 1993
6. KE Watt, *Understanding the Environment*, UC Press, 1982
7. SFPE Handbook, *Society of Fire Protection Engineering*.

ENAR802107

TEORI PERANCANGAN ARSITEKTUR

3 SKS

Tujuan Pembelajaran:

Mahasiswa memahami dan mampu melakukan analisis kritikal terhadap gagasan-gagasan arsitektur dalam arsitektur klasik dan kontemporer, serta mampu menemukan kaitan antara diskursus teori dan praktik perancangan arsitektur.

Silabus:

Perkembangan dalam mekanisme pembentukan arsitektur sejak arsitektur klasik hingga kontemporer; gagasan-gagasan terkini dalam diskursus teori dan praktek perancangan arsitektur; gagasan ideal dalam arsitektur; pendekatan multi-disiplin (seni, matematika, ilmu-ilmu alam dan ilmu-ilmu sosial) dalam teori dan perancangan arsitektur.

Prasyarat: Telah mengikuti Teori Arsitektur Lanjut

Buku Ajar:

1. Stephen Cairns, Greig C Crysler, Hilde Heynen. *The SAGE Handbook of Architectural Theory*. SAGE Publications, 2012.
2. Michael Hays, *Architecture Theory since 1968*, MIT Press, 1998.
3. Kate Nesbitt, *Theorizing a New Agenda of Architecture: An Antology of Architectural Theory 1965-1995*.

Princeton Architectural Press, 1996.

4. Charles Jenks & Karl Kropf, *Theories and Manifestos of Contemporary Architecture*. John Wiley and Sons, 1997.
5. Vitruvius. *The Ten Books on Architecture*, trans by M. H. Morgan. New York: Dover Publications, 1960.
6. D'Arcy Thompson, *On Growth and Form*. 1961.
7. Aaron Betsky & Erik Adigard, *Architecture Must Burn*. Gingko Press, 2000.
8. A+P Smithson. Irene Scalbert, *Towards a Formless Architecture: The House of the Future*, 1999.

ENAR802210**TEORI PERANCANGAN PERKOTAAN****3 SKS****Tujuan Pembelajaran:**

Menjabarkan bagaimana perencanaan dan perancangan lingkung-bina memiliki kontribusi dalam pembentukan kota yang baik melalui analisis teori perancangan kota baik tradisional maupun kontemporer, serta analisis bagaimana dan dalam situasi apa teori perancangan kota diformulasi; Mempertanyakan bagaimana ide perancangan kota dapat meningkatkan karakter fisik lingkung-bina dan mengapa ide tersebut diharapkan dapat memfasilitasi peningkatan kualitas hidup di perkotaan dan peri-urban; Melakukan analisis sosial dan spasial dari lingkungan binaan; analisis dan kritik terhadap aspek perseptual dan performatif dari perancangan kota.

Silabus:

Review terhadap pemahaman perancangan kota. Telaah historis dan diskursus mengenai apa yang dimaksud "good city" melalui pandangan pada *theorists*, antara lain: *cosmological belief, formalist, fungsionalists, picturesque, organics, utopians, livability, ecological*. Mempertanyakan "performance dimension" dalam teori perancangan kota dan pemahaman akan hubungan perancangan kota dengan dimensi *perceptual/visual/social*. Setelah mahasiswa diperkenalkan pada pandangan para teoritis, pada bagian ini mereka akan mengeksplorasi berbagai cara menginterpretasi dan memahami lingkungan perkotaan. Diskusi mengenai bagaimana lingkungan perkotaan memiliki *meaning* yang berbeda bagi orang yang berbeda, tergantung dari latar belakang budaya, ekonomi ras dan jender. Review singkat kaitan antara aktifitas perancangan kota dan konteks politik-ekonomi dari proses pembangunan perkotaan.

Prasyarat: Telah mengikuti Teori Arsitektur Lanjut**Buku Ajar:**

1. R. Legates, *The City Reader*, 2nd ed, Routledge, 1999
2. Henri Pirenne, *The Medieval Cities: Their Origins and the Revival of Trade*, Princeton University Press, 1969
3. Aristoteles, *The Politics* (especially Book III and Book VII), Penguin Classics, revised edition, 1981

ENAR802313**TEORI PERUMAHAN DAN PERMUKIMAN PERKOTAAN****3 SKS****Tujuan Pembelajaran:**

Pemahaman kritis terkait masalah dan persoalan permukiman dan perumahan urban di negara berkembang, khususnya Indonesia; Pemahaman atas kebijakan publik dan swasta mempengaruhi pengembangan ekonomi dan perumahan, khususnya ekonomi lokal; Memberikan review dan kritik atas strategi dan kebijakan terhadap kelompok berpenghasilan rendah atau miskin di perkotaan.

Silabus:

Permukiman dan perumahan perkotaan di Indonesia; persoalan triadik: *knowledge-power-space*; kehidupan keseharian masyarakat perkotaan, arsitektur perkotaan serta habitus dari beragam kelompok masyarakat di dalam pumpunan perkotaan; karir merumah dari individu, keluarga dalam mengakses fasilitas rumah di perkotaan; permukiman *kumuh* perkotaan dan jaringan sosio-ekonomi dan politik; pembiayaan perumahan; kebijakan perumahan: *provider vs enabler*; Analisis kritisal Indonesia sebagai negara kepulauan dalam kaitan permukiman dan pengembangan daerah pesisir.

Prasyarat: Telah mengikuti Teori Arsitektur Lanjut

Buku Ajar:

1. A T Alamsyah, *Regionisme dalam Penataan Permukiman di Gugus Pulau Mikro*, Disertasi, PSIL UI, 2006
2. P Bourdieu, *Outline of A Theory of Practice*, Cambridge University Press, 1977, pp. 72-95
3. Rod Burgess, *Petty Commodity Housing or Dweller Control?: A Critic of John Turner View on Housing Policy*, 1978
4. Michel De Certeau tr by Steven F. Rendall, *The Practice of Everyday Life*, University of California Press, 1984, pp. 29-42 and 91-110
5. M Foucault, 'Space. Power and knowledge,' S. During (ed.), *The Cultural Studies Reader Second Edition*, Routledge, 1999, pp. 134-41
6. A Giddens, *The Constitution of Society*, University of California Press, 1984, pp. 1-28
7. A Gilbert and Ann Varley, *Landlord and Tenant Housing the Poor in Urban Mexico*, Routledge, 1991, chapter 7&8
8. M Haan & Thomas Perks, 'The Housing Careers of Older Canadians: An Investigation Using Cycle 16 of the General Social Survey, Canadian Studies in Population Vol. 35.2, 2008, pp. 223-242
9. T Y Harjoko, *Pengusuran or Eviction in Jakarta: Solution Lacking of Resolution for Urban Kampung*, E-Proceedings, <http://coombs.anu.edu.au/SpecialProj/ASAA/biennial-conference/2004/Harjoko-T-ASAA2004.pdf>, 18.02.2013
10. M Heidegger tr by Albert Hofstadler, *Kerper & Row, Poetry, Language, Thought*, Publishing Inc., 1971, pp. 145-161
11. H L Kendig, 'Housing Careers, Life Cycle and Residential Mobility : Implications for the HousingMarket', *Urban Studies*, 1984, pp. 21, 271-283
12. Shilpa Ranade, "The Way She Moves, Mapping the Everyday Production of Gender and Space in Mumbai", *Economic and Political Weekly*, Vol. 42, No. 17, Apr. 28 - May 4 2007, pp. 1519-1526
13. B Sullivan & Ke Chen, 'Design for Tenant Fitout: A Critical Review of Public Housing Flat Design in Hong Kong', *Habitat Intl.* Vol 21. No 3, 1997, pp. 291-303
14. John F.C Turner, *Housing By People: Towards Autonomy in Building Environtments*, Marion Boyars Publishers Ltd, 2000, pp 53-74
15. K D Willis, *Squatter Settlements*, Elsevier Ltd, 2009

ENAR802416

TEORI PROPERTI

3 SKS

Tujuan Pembelajaran:

Mata ajaran ini dimaksudkan untuk mengembangkan wawasan dan pengetahuan mahasiswa dalam: memahami peran yang berkaitan pembangunan Real Estate dengan aspek spasial kawasan yang luas; menguasai metode-metode dan topik pembahasan yang terkait dengan pembangunan Real Estate berkawasan luas; menguasai dasar-dasar konsepsi yang kuat dan kemampuan untuk menerapkannya pada berbagai hal yang berkaitan dengan isu dan permasalahan Real Estate yang lebih luas.

Silabus:

Bagian pertama akan menguraikan dasar-dasar dan konsep *appraisal/valuation*. Pada bagian kedua akan dibahas isu pembangunan kawasan yang berkaitan dengan urban management. Pada bagian-bagian berikutnya akan dipelajari berbagai isu yang berkaitan dengan pembangunan kawasan, yaitu construction fundamental, dan cost and benefit analysis, yaitu teknik pengelolaan resiko, sumber pendanaan dan perpajakan, pasar dan pemasaran, manajemen aset/properti. Pembelajaran menekankan pada pemahaman kaidah-kaidah dan konsep Real Estate dalam konteks perkotaan tanpa mengabaikan metode dan teknis perhitungan. Melalui pendekatan tersebut mahasiswa diharapkan akan memahami pembangunan Real Estate sebagai sebuah konsep yang dapat digunakan untuk membantu berbagai permasalahan yang akan ditemui di tempat kerja.

Prasyarat: Telah mengikuti Teori Arsitektur Lanjut

Buku Ajar:

1. Michael Ball et.al, *The Economics of Commercial Property Markets*, Routledge, 1998
2. Sheman J Maisel, *Real Estate Investment and Finance*, McGraw-Hill, Inc., 1976
3. Hugh O. Nourse, *Managerial Real Estate Corporate Real Estate Asset Management*, Prentice Hall, 1990
4. Mark W. Patterson, *Real Estate Portfolios*, John Willey & Sons, Inc, 1995

ENAR802519**TEORI DAN SEJARAH ARSITEKTUR****3 SKS****Tujuan Pembelajaran:**

Mahasiswa diperkenalkan kepada teori-teori yang berhubungan dengan perkembangan historiografi di dunia, dan pemikiran-pemikiran ke-sejarah untuk menguji aspek-aspek teoritis dan historis dalam Riset masing-masing.

Silabus:

Fenomenologi, Semiologi (*Structuralism, Post-structuralism, Deconstruction*), *Modern and Postmodern, Colonialism and Post-colonialism*, Jender dalam Arsitektur.

Prasyarat: Telah mengikuti Teori Arsitektur Lanjut

Buku Ajar:

1. Andrew Ballantyne (ed.), *Architecture Theory, A Reader in Philosophy and Culture*, Continuum, 2005
2. Homi K Bhabha, *The Location of Culture*, Routledge, 1994
3. Iain Borden, Barbara Penner; Jane Rendell, (Eds), *Gender Space Architecture: An Interdisciplinary Introduction (Archi- text)*, Routledge, 2000
4. Zeynep Celik, *Displaying The Orient: Architecture of Islam at Nine- teenth-Century World's Fairs*, University of California Press, 1992
5. Guy Debord translated by Donald Nicholson Smith, *The Society of the Spectacle*, Black & Red, 2004
6. M. Foucault, *The Archeology of Knowl- edge*, Vintage, 1982, Parts II & III
7. Terence Hawke, *Structuralism and Semiotics*, Routledge, 1997
8. Steven Holl, Juhani Pallasmaa, Alberto Perez-Gomez, *Questions of Perception: Phenomenology of Architecture*, William K Stout Pub, 2007
9. Keith Jenkins, *Re-thinking History*, Routledge, 1991
10. Neil Leach (ed.), *Rethinking Architecture: A Reader in Cultural Theory*, Routledge, 1998
11. Edward Said, *Orientalism*, Penguin, 1977
12. Panayotis Tournikiotis, *The Historiography of Modern Architecture*, The MIT Press, 1999

ENAR802622**TEORI ARSITEKTUR DAN KEBERLANJUTAN****5 SKS****Tujuan Pembelajaran:**

Mahasiswa dapat menjelaskan teori teknologi bangunan, khususnya dalam bidang material, struktur dan keamanan bangunan/lingkungan.

Silabus:

Karakteristik material struktur, struktur bangunan dan kekokohan, pembangunan yang berkelanjutan, ekologi, ekonomi bangunan, rekayasa lanjut, aspek manajemen dalam desain dan pemeliharaan bangunan, konservasi energi, hukum dan peraturan dalam lingkungan bangun.

Prasyarat: Telah mengikuti Teori Arsitektur Lanjut

Buku Ajar:

1. Edward Allen, *Fundamentals of Building Construction: Material and Methods*, John Wiley and Sons, 1999
2. James Ambrose, *Simplified Design of Masonry Structures*, John Wiley and Sons, 1992
3. Wolfgang Schuller, *High Rise Building Structure*, Krieger Publishing Co, 1986
4. Benjamin Stein, *Building Technology: Mechanical and Electrical Systems*, John Wiley and Sons, 1995
5. DS Barrie, *Professional Construction Management*, Mc.Graw-Hill, 1986
6. J.M Boschenski, *The Methods of Contem- porary Thought*, Herper and Row, 1968
7. Graham Houghton, et.al, *Sustainable Cities*, Cromwell Press, 1995
8. D. Chiras et.al, *Environmental Science: A Framework for Decision Making*, Cummings Publishing, 1985

9. Sears-Salinger, *Theormodynamics, Kinetic Theory and Statistical Thermodynamics*, Wesley, 1975

ENAR802108

STUDIO PERANCANGAN ARSITEKTUR 2

5 SKS

Tujuan Pembelajaran:

Mampu mengembangkan kemampuan menciptakan ruang sebagai konsep perancangan arsitektural yang dirumuskan sendiri dalam suatu tema perancangan yang spesifik, meliputi perencanaan wilayah dan pertimbangan keberlanjutan.

Silabus:

Eksplorasi terhadap konsep desain berbasis tipologi. Eksplorasi gagasan keberlanjutan dalam beragam konteks. Tipologi ruang kota, Tipologi bangunan, program kebutuhan dan analisis tapak. Tema dan gagasan ruang dalam ide ekologis. Penelusuran arsitektural: penerjemahan program ke dalam diagram konseptual, tata-letak, sirkulasi, integrasi ruang melalui sketsa, gambar arsitektural dan model. Eksplorasi tektonik: keterhubungan antara tema tektonik dengan tipologi arsitektural yang selaras dengan konsep desain. Aspek-aspek komunikasi verbal dan visual.

Prasyarat: -

Buku Ajar:

1. Dominique Hes, Chrisna Du Plessis, *Designing for Hope: Pathways to Regenerative Sustainability*, Routledge, 2014
2. Danilo Palazzo, Frederick Steiner, *Urban Ecological Design: A Process for Regenerative Places*, Island Press, 2012
3. S. Hernandez, C. A. Brebbia, W. P. De Wilde, editors, *Eco-Architecture III: Harmonisation between Architecture and Nature*, WIT Press, 2010
4. Manuel Castells, *Space of Flows, Space of Places, Materials for a City of Urbanism in the Information Age.*, 2004
5. Jiat-Hwee Chang, *Tropical Variants of Sustainable Architecture: A Postcolonial Perspective,* in *The SAGE Handbook of Architectural Theory*, SAGE Publications, Ltd, 2012, pp 602-617
6. Fabiano Lemes de Oliveira, *Eco-cities: The Role of Networks of Green and Blue Spaces* _Cities for Smart Environmental and Energy Futures, part of the series Energy Systems, 2013, pp 165-178
7. Michael Lindfield and Florian Steinberg, *Green Cities*. Asian Development Bank (ADB) Urban Development Series, November 2012 _

ENAR802211

STUDIO PERANCANGAN PERKOTAAN 2

5 SKS

Tujuan Pembelajaran:

Dengan mengambil keuntungan posisi kampus UI Depok yang berdekatan dengan ibukota, tujuan utama studio adalah memperluas wawasan, pemahaman, pengetahuan dan kecakapan (*mastery*) mahasiswa terhadap prinsip rancang kota yang berkelanjutan, dengan mengambil kasus wilayah Jakarta maupun Bodetabek. Mahasiswa didorong untuk menelusuri kompleksitas persoalan kota yang dihadapi Jakarta sebagai *megacity*, antara lain (sebagai contoh) adalah kepadatan, urbanisasi, banjir, energi, dan perubahan cuaca. Diharapkan isu-isu tersebut akan mampu memicu kreatifitas mahasiswa untuk menghasilkan rancangan kota yang inovatif namun dapat dipertanggungjawabkan secara ilmiah, baik dari sisi sosial maupun lingkungan.

Silabus:

Sebagai kelanjutan Studio Perancangan Perkotaan 1, di studio ini mahasiswa diminta untuk melakukan eksplorasi konektivitas berbagai aspek rancang kota melalui proyek perancangan kembali kawasan *mixed use* (perumahan-komersial). Mahasiswa dipicu untuk merancang kembali kawasan yang sedang mengalami proses transisi karena adanya perubahan yang berlangsung cukup radikal. Studio diselenggarakan dengan premis awal bahwa ruang publik berperan penting untuk menciptakan kota yang nyaman dan hidup, namun *“platform”* perancangannya tetap perlu mengandalkan aspirasi pengguna. Tantangan studio ini adalah posisi urban desain yang harus memberikan penghargaan dan perhatian terhadap aspek lain dibalik wujud arsitektur maupun realitas fisik kota. Selain itu, dalam menyelesaikan proyek rancang kota, mahasiswa dituntut untuk menjadikan *“karakter lokal”* sebagai kata kunci.

Prasyarat: Telah mengikuti Studio Perancangan Perkotaan 1

Buku Ajar:

1. Protzen, Jean-Pierre and Harris, David J., *Universe of Design: Horst Rittel's Theories of Design and Planning*, London and New York: Routledge (2010)
2. Rutz, Werner: *Cities and Towns in Indonesia*, Stuttgart: Gebruder Borntraeger (1987)
3. Ricky Burdett (Editor), Deyan Sudjic (Editor), 2010, *Living in the Endless City: The Urban Age Project by the London School of Economics and Deutsche Bank's*, Alfred Herrhausen Society, Phaidon Press
4. Ricky Burdett (Editor), Deyan Sudjic (Editor) 2008. *the Endless City*, Phaidon Press
5. Mohsen Mostafavi (Author), Gareth Doherty (Author), 2010, Harvard University Graduate, *Ecological Urbanism*, Lars Muller Publishers
6. Charles Montgomery (2014). *Happy City: Transforming Our Lives Through Urban Design*, Farrar Straus Giroux
7. Abeyasekere, S. (1987). *Jakarta: A History*, Oxford: Oxford University Press.
8. Certeau, M.D. (1984). *The Practice of Everyday Life*. Berkeley: University of California Press.
9. Silver, C. (2011). *Planning the Megacity: Jakarta in the Twentieth Century*. New York: Routledge
10. Tunas, D. (2008). *The Spatial Economy in the Urban Informal Settlement*. Netherland: International Forum on Urbanism

ENAR802314

STUDIO PERUMAHAN DAN PERMUKIMAN PERKOTAAN 2

5 SKS

Tujuan Pembelajaran:

Mahasiswa dihadapkan pada solusi desain dari permukiman dan perumahan perkotaan bagi masyarakat miskin perkotaan dengan pendekatan *eco-architecture*.

Silabus:

Eksplorasi persoalan sosio-ekonomi terkait kompleksitas penyediaan perumahan bagi masyarakat miskin perkotaan; perencanaan dan perancangan perumahan berlandaskan pada prinsip ekologi.

Prasyarat: Telah mengikuti Studio Perumahan dan Permukiman Perkotaan 1

Buku Ajar:

1. J M Bang, *Ecovillages: Practical Guide to Sustainable Communities*, New Society Publishers, 2005
2. J N Habraken, *Support: An Alternative to Mass Housing*, Prager Publishers, 1972
3. N Hamdi, *Housing Without Houses: Participation, Flexibility, Enablement*, Van Nostrand Reinhold, 1991
4. G Minke, *Building with Earth: Design and Technology of a Sustainable Architecture*, Publishers for Architecture, 2006
5. B Saini, 'Site Development and Sanitary Services', in H S Murison & J P Lea (eds.), *Housing in Third World Countries Perspectives on Policy and Practice*, The Macmillan Press, Ltd., 1979, pp 89-95
6. N Sheridan, 'Energy for the Built Environment', *op. cit.*, H S Murison & J P Lea, pp 100-110
7. Tokyo Student Session, *Sustainable Design Book*, The 2005 World Sustainable Building Conference in Tokyo, Student Session 23-29 September 2005, Tokyo, Japan
8. United Nations, *Guidebook on Biogas Development*, Energy Resource Development Series No. 21, 1980

ENAR802417

WORKSHOP PROPERTI 2

5 SKS

Tujuan Pembelajaran:

Mempelajari kaitan antara arsitektur kota dan kegiatan real estate dalam suatu proyek skala besar yang berkaitan dengan *urban management*, peran serta sektor publik dan privat dalam pembangunan kawasan perkotaan, reposisi dan revitalisasi suatu kawasan, dan lain-lain.

Silabus:

(1) *Private sector/commercial development project*, pengembangan kawasan sekitar 50 ha. Produk properti (aturan2 fisik yang diberlakukan). Pendanaan proyek & skema pembelian: e.g. mortgage. Hak dan kewajiban pengembang & pemda (pengembang: on site, off site, bayar cash, dll. Pemda: tax holiday, insentip, fasilitas kota, dll). Implementation plan (hak & kewajiban + time schedule pembangunan) (2) Pengembangan fasilitas perkotaan yang dikaitkan dengan property development (public-private development): Investigasi/eksplorasi atas sebuah proyek publik melalui peluang recovery dengan memasukkan unsure properti development di dalamnya seperti pengembangan kawasan pendidikan/science center, MRT/busway/tollway yang dikaitkan dengan pembangunan properti di sepanjang jalurnya. Pengadaan sarana dan prasarana kota.

Prasyarat: Telah mengikuti Workshop Properti 1

Buku Ajar: -

ENAR802520

WORKSHOP SEJARAH DAN TEORI ARSITEKTUR 2

5 SKS

Tujuan Pembelajaran:

Mahasiswa menguasai riset sejarah yang berkaitan dengan representasi dan aplikasi/praktek dalam sejarah arsitektur.

Silabus:

The representation of architecture: architecture as text; architecture as profession; architecture as film; architecture as identity (race & gender); architecture as memory; architecture & disaster; application of architectural history: teaching architectural history; exhibiting architecture; architecture on television/ radio; architectural journalism.

Prasyarat: Telah mengikuti Teori Arsitektur Lanjut

Buku Ajar:

1. Nezar AlSayyad, *Cinematic Urbanism: A History of the Modern from Reel to Real*, Routledge, 2006
2. J. Bloomer, *Architecture and the Text: the (s)cripts of Joyce and Piranesi (Theoretical Perspectives in Architecture)*, Yale University Press, 1995
3. Iain Borden, Jane Rendell, *Intersections, Architectural Histories and Critical Theories*, Routledge, 2000
4. Iain Borden, et.al (eds.), *The Unknown Cities: Contesting Architecture and Social Space*, The MIT Press, 2001
5. Iain Borden, et al. *Strangely Familiar: Narratives of Architecture in the City*, Routledge, 1996
6. Mike Davis, *Ecology of Fear: Los Angeles and the Imagination of Disaster*, Metropolitan Books, 1998
7. Nan Ellin, *Architecture of Fear*, Princeton Architectural Press, 1997
8. Murray Fraser. 'Dreams about Cities: REM and Koolhaas,' *The Oxford Review of Architecture*, vol. 2, 1997, p:76.
9. Bell hooks. *Art on My Mind; Visual Politics*, The New Press, 1995
10. Michael Keith and Steve Pile, *Place and the Politics of*, Routledge, 1993
11. Naomi Klein, *The Shock Doctrine: the Rise of Disaster Capitalism*, Metropolitan Books, 2008
12. R. Koolhaas and B. Mau, *S,M,L,XL*, Office for Metropolitan Architecture (O.M.A.), 1995
13. Spiro Kostof (ed.), *Architect*, Oxford University Press, 1977
14. Intan Paramaditha, 'City and Desire in Indonesian Cinema' in *Inter-Asia Cultural Studies: Runaway City/ Leftover Spaces*, vol. 12, no: 4, Routledge T&F, 2011, pp:500-512
15. A. Palladio tr by: Robert Tavernor & Richard Schofield, *The Four Books on Architecture*, MIT Press, 1997
16. Leonie Sandercock (ed.), *Making the Invisible Visible, A Multicultural Planning History*, University of California Press, 1998
17. Moira G Simpson. *Making Representations Museum in the Post colonial Era*, Routledge, 1996
18. R. Venturi, *Complexity and Contradiction in Architecture*, The Museum of Modern Art, 1966

ENAR802623

WORKSHOP ARSITEKTUR DAN KEBERLANJUTAN 2

5 SKS**Tujuan Pembelajaran:**

Mahasiswa dapat mengembangkan dan menerapkan teori teknologi bangunan dalam suatu proyek penelitian berskala kecil.

Silabus:

Aspek ekologi dalam pemanfaatan teknologi, pengaruh pemanfaatan material terhadap keamanan bangunan, aspek ekonomi dalam pemanfaatan teknologi, rekayasa nilai, manajemen sumberdaya teknologi dalam bangunan/perancangan, pengaruh pemanfaatan teknologi dalam perancangan terhadap manajemen proyek, penilaian efisiensi energi dalam perancangan, pengaruh hukum dan peraturan dalam pemanfaatan teknologi.

Prasyarat: Telah mengikuti Workshop Arsitektur dan Sustainability 1

Buku Ajar:

1. James Cowan, *Architectural Acoustics: Design Guide*, McGraw-Hill, 2000
2. Frei Otto, *Tensile Structure*, MIT Press, 1997
3. Harold J. Rosen, *The Professional Practice of Architectural Detailing*, John Wiley & Sons, 1999
4. Soeryani Moh ed, *Lingkungan: Sumberdaya Alam dan Kependudukan dalam Pembangunan*, UI Press, 1987
5. Finatya Legoh dan Siti Handjarinto, *Buku Ajar Akustik*, 2002
6. Ganijanti AS, *Mekanika*, Penerbit Salemba Teknik, 2000

ENAR800003**PRA-TESIS****3 SKS****Tujuan Pembelajaran:**

Menghasilkan sebuah proposal penelitian (untuk jalur tesis penelitian) atau proposal desain (untuk jalur tesis desain) minimum 4.000 kata. Mahasiswa yang memilih jalur tesis penelitian akan menghasilkan sebuah proposal penelitian yang berisi hasil kajian teori yang menunjukkan tingkat “*mastery*” pada isu yang akan diteliti, serta menghasilkan proposisi dan metode penelitian. Mahasiswa yang memilih jalur tesis desain akan menghasilkan sebuah proposal desain yang berisi hasil kajian teori yang menunjukkan tingkat “*mastery*” pada isu perancangan, serta menghasilkan sebuah “*design statement*” yang siap ditindaklanjuti dan dikembangkan melalui proses perancangan.

Silabus:

Formulasi isu dan pertanyaan penelitian; kajian teori melalui telaah literatur yang relevan; pengembangan metode untuk menanggapi isu dan menjawab pertanyaan penelitian.

Prasyarat: Telah lulus mata ajar Metode Perancangan Lanjut dan Penelitian dengan nilai minimum B

Buku Ajar:

1. I. Borden and K. Ruedi, *The Dissertation: An Architecture Students' Handbook*, Oxford University Press, 2000
2. T. Y. Hardjoko, *Panduan Meneliti dan Menulis Ilmiah*, Departemen Arsitektur Universitas Indonesia, 2005
3. L. Groat & D. Wang, *Architectural Research Methods*, John Wiley and Sons, 2002
4. F. Crews, *The Random House Handbook*, 3rd ed, Random House, 1980

ENAR800004**PUBLIKASI ILMIAH****2 SKS****Tujuan Pembelajaran:**

Mampu menghasilkan tulisan ilmiah hasil kajian atau penelitian dengan kualitas yang layak untuk dipublikasikan dalam forum diseminasi tingkat nasional atau internasional.

Silabus:

Kaidah-kaidah penulisan ilmiah; berbagai moda penulisan ilmiah; strategi formulasi argumen dalam tulisan ilmiah yang secara tegas menunjukkan posisi terhadap pengetahuan yang telah ada; prosedur publikasi dalam seminar/konferensi nasional/internasional; prosedur publikasi dalam jurnal bereputasi internasional; kajian artikel pada jurnal bereputasi internasional dalam bidang terkait arsitektur.

Prasyarat: Telah lulus mata ajar Metode Perancangan Lanjut dan Penelitian

Buku Ajar:

1. I. Borden and K. Ruedi, *The Dissertation: An Architecture Students' Handbook*, Oxford University Press, 2000
2. T. Y. Hardjoko, *Panduan Meneliti dan Menulis Ilmiah*, Departemen Arsitektur Universitas Indonesia, 2005
3. L. Groat & D. Wang, *Architectural Research Methods*, John Wiley and Sons, 2002
4. N. Gough, *Blank Spots, Blind Spots, and Methodological Questions in Postgraduate Research*, 2002

ENAR800005

TESIS

8 SKS

Tujuan Pembelajaran:

Mampu mengidentifikasi, mempelajari dan mengkomunikasikan isu-isu dalam suatu area kajian khusus yang berkaitan dengan arsitektur. Mampu mengembangkan keahlian lebih lanjut dalam hal membaca, meriset dan menulis sebuah tesis. Untuk jalur tesis penelitian: Menghasilkan sebuah tesis yang tidak lebih dari 20.000 kata. Untuk jalur tesis perancangan: Menghasilkan rancangan disertai dengan tesis tidak lebih dari 10.000 kata dan portfolio desain yang memberikan gambaran menyeluruh tentang proses penelitian perancangan.

Silabus:

Pendefinisian isu yang dibahas, pertanyaan penelitian yang diformulasikan secara jelas, tujuan dalam melakukan penelitian. Pijakan teoritis, pemilihan strategi atau metoda, pengungkapan fakta serta sintesis materi yang mengarah pada jawaban pertanyaan penelitian, kesimpulan.

Prasyarat: Telah lulus Pra-Tesis.

Buku Ajar:

1. I. Borden and K. Ruedi, *The Dissertation: An Architecture Students' Handbook*, Oxford University Press, 2000
2. T. Y. Hardjoko, *Panduan Meneliti dan Menulis Ilmiah*, Departemen Arsitektur Universitas Indonesia, 2005
3. L. Groat & D. Wang, *Architectural Research Methods*, John Wiley and Sons, 2002
4. F. Crews, *The Random House Handbook*, 3rd ed, Random House, 1980

DESKRIPSI MATA AJAR PILIHAN

ENAR800524

ARSITEKTUR ETNIK

3 SKS

Tujuan Pembelajaran:

Membekali mahasiswa seluk beluk arsitektur yang tumbuh dalam tradisi kelompok etnik agar dapat menjelaskan, dan menguraikan menilai unsur-unsur dan prinsip-prinsip arsitektur kelompok tertentu, mampu mamahami gejala arsitektur etnik pada umumnya dan mampu menganalisis tradisi berarsitektur suatu kelompok etnik.

Silabus:

Pengertian prinsip dan unsur arsitektur etnik, faktor pembentuk, klasifikasi simbolik, pandangan dunia dan kosmologi, ruang, tempat, waktu dan makna, antropomorfik, proses membangun.

Prasyarat: -

Buku Ajar:

1. Amos Rapoport, *House Form and Culture*, Englewood Cliffs, 1960
2. N. Egender, *Architectural Anthropology*, Structura Mundi, 1996
3. Roxanna Waterson, *The Living House: An Anthropology of Architecture in Southeast Asia*, Oxford University Press, 1990
4. E. Guidoni, *Primitive Architecture*, Harry N. Abrams, 1978
5. Paul Oliver (ed.), *Sign, Symbol, and Shelter*, The Overlook Press, 1977
6. J. Fox (ed.), *Inside Austronesian House*, The Australian National University, 1993
7. Djauhari Sumintardja, *Kompendium Arsitektur*. Yayasan Lembaga Masalah Bangunan, 1978
8. Bourdier & N. AlSayyad (eds), *Tradition, Dwellings and Settlements: Cross-cultural Perspectives*, University Press of America, 1989

ENAR800525**ARSITEKTUR DAN RUANG SINEMATIK****3 SKS****Tujuan Pembelajaran:**

Menguasai sejarah modernitas dan paska-modernitas perkotaan (*urban history of modernity and postmodernity*) melalui lensa sinema. Dalam konteks Indonesia, mata ajar ini juga mengkaji cara di mana kita “membaca” dan memahami kota dengan melihat bagaimana budaya, masyarakat dan ruang kota direpresentasikan di sinema Indonesia masa kini dan membandingkannya dengan momen saat Orde Baru berkuasa (1965-1998). Dengan mempertimbangkan bagaimana *real city* dan *reel city* saling mengacu satu sama lain dalam praktek representasi yang saling menguntungkan, mata ajar ini menelusuri dan mendiskusikan sejarah dan interpretasi ruang sinematik/ kota sinematik serta kaburnya batas antara ‘*the real*’ and ‘*reel*’ melalui ruang dan waktu, lewat serangkaian film yang merepresentasikan berbagai momen modernitas yang berbeda.

Silabus:

Modernity, Post Modernity, Globalization: The traditional small town; the industrial modern city; modernist dystopias, cynical modernity; postmodern city themes; postmodern dystopia; the voyeuristic city; the city through different eyes; kelas sosial; the contested city/alternative modernity (race, ethnicity and urban experience); the anti city; nostalgic imaginaries; budaya, hasrat dan kesolehan (piety).

Prasyarat: -**Buku Ajar:**

1. Louis Wirth, “Urbanism as a Way of Life”, in *American Journal of Sociology*, 1938, pp. 38-83
2. Georg Simmel, “The Metropolis and Mental Life”, in N. Leach, ed, *Rethinking Architecture*, New York: Routledge, pp.68-79
3. John Berger, *Ways of Seeing*, London: Penguin Books, 1977.
4. S. Watson and Gibson (eds). *Postmodern Cities and Spaces*. Cambridge: Basil Blackwell, 1995.
5. Aihwa Ong & Ananya Roy, *Worlding Cities: Asian Experiment and the Art of Being Global*, Routledge.
6. Alan Marcus, Dietrich Neumann (eds), *Visualizing the City (Architext)*, Routledge, 2008
7. Wolfgang Natter, “The City as Cinematic Space: Modernism and Place in Berlin, Symphony of a City” in S. Aitken and P Zonn (eds). *Place, Power and Spectacle*. London: Rowman and Littlefield Publishers, 1994, pp.203-227.
8. Scott Bukatman, *Terminal Identity: The Virtual Subject in Post-Modern Science Fiction*, Durham: Duke University Press, 1993.
9. J. Rutherford (ed). *Identity: Community, Culture, Difference*. London: Lawrence & Wishart. 1990.
10. Nezar AlSayyad, *Consuming Tradition, Manufacturing Heritage*. London: Routledge, 2001.
11. A. King (ed). *Culture, Globalization and the World System*. London: Macmillan. 1991
12. Dietrich Neumann, *Film Architecture: From Metropolis to Blade Runner*, Prestel Publishing, 1999.
13. Nezar AlSayyad, “The Cinematic City: Between Modernist Utopia and Postmodernist Dystopia” in *Built Environment* 26:4, 2000, pp.268-281.
14. Nezar AlSayyad, *Cinematic Urbanism: A History of the Modern from Reel to Real*. Routledge, 2006.
15. Katherine Shonfield, *Walls Have Feelings: Architecture, Film and the City*, London: Routledge, 2000.
16. D. Clarke (ed). *The Cinematic City*, London: Routledge, 1997.
17. F. Penz and T Thomas (eds). *Cinema and Architecture*, London: British Film Institute. 1997.

18. M. Lamster (ed). *Architecture and Film*, New York: Princeton Architectural Press, 2000.
19. M. Shiel and T. Fitzmaurice (eds), *Cinema and the City*, Oxford: Blackwell, 2001.
20. Gabriel, Teshome. *Third Cinema in the Third World: An Aesthetic Liberation*, Ann Arbor, MI: University of Michigan Press, 1983.
21. Martin Roberts, *Cinema and Nation*, London: Routledge, 2000
22. Philip Kitley, *Television, Nation and Culture in Indonesia*, Athens, OG: Ohio University Center for International Studies, 2000
23. Intan Paramadina, "City and Desire in Indonesian Cinema," *Inter-Asia Cultural Studies: Runaway Cities/Left-over Spaces*, Volume 12, Number 4, 2011
24. Ariel Heryanto, *Identity and Pleasure: The Politics of Indonesian Screen Culture*, Singapore: NUS Press, 2014
25. Krishna Sen, *Indonesian Cinema Framing New Order*, London: Zed Books, 1994
26. Bell Hooks, *Reel to Real: Race, Gender and Class at the Movies*, Routledge Classics, 2012
27. **Films selection (among others):** Cinema Paradiso; It's a Wonderful Life; Berlin: Symphony of a City; Modern Times; Metropolis; Brazil; End of Violence; Rear Window; Manhattan; Taxi Driver; Blade Runner; Do the Right Thing; My Beautiful Launderette; The Truman Show; Los Angeles Plays Itself; Drakula Mantu (1974); Jakarta Jakarta (1978); Pengemis dan Tukang Becak (1978); Matahari-Matahari (1985); Daun di Atas Bantal (1998); *Cul-de-Sac* (1998); Eliana, Eliana (2002); Arisan! (2003); Mengejar Matahari (2004); Rindu Kami Padamu (2004); Berbagi Suami (2006); Naga Bonar Jadi Dua (2007); Ayat-Ayat Cinta (2008); Perempuan Berkalung Sorban (2009); and related films as needed.

ENAR800526

ARSITEKTUR DAN TEKS

3 SKS

Tujuan Pembelajaran:

Memperkenalkan arsitektur sebagai teks yang dapat dibaca dan ditafsirkan berdasarkan kaitan antara teks dengan konteksnya, serta memberikan alat (metoda) untuk membaca karya arsitektur sebagai teks.

Silabus:

"*Il n'y a pas de hors-texte*" (tidak ada apapun di luar teks). Demikian sebuah kalimat yang pernah dinyatakan oleh filsuf Jacques Derrida. Teks kerap dihubungkan dengan komunikasi tertulis. Tetapi, dalam konteks mata kuliah ini, teks tidak terbatas hanya pada kata-kata yang tertulis. Mimik wajah, iklan, rambu lalu lintas, lukisan, dan sebagainya, termasuk karya arsitektur, merupakan teks juga. Kata *teks*, yang "bersaudara" dengan kata *tekstur* dan *konteks*, berasal dari kata Latin *texere*, yang berarti *merajut*. Mata kuliah ini merupakan sebuah pengenalan kepada karya arsitektur sebagai teks. Bagaimana kita membaca karya arsitektur sebagai teks? Bagaimana kita membaca karya arsitektur sebagai rajutan antara karya arsitektur dengan pengalaman si arsitek, kondisi masyarakat setempat, tempat, dan sebagainya.

Prasyarat: -

Buku Ajar:

1. Roland Barthes, *Mythologies*, Vintage Classics, 2000
2. John D Caputo (ed.), *Deconstruction in a Nutshell: a Conversation with Jacques Derrida*, Fordham University Press, 1997
3. Umberto Eco, *A Theory of Semiotics*, Indiana University Press, 1976
4. Joel Gilberthorpe, *What is a Text?: on the Limits of a Text as an Object of Knowledge* (http://www.arts.mq.edu.au/documents/NEO_Article_5_2009_Joel_Gilberthorpe.pdf)

ENAR800327

ARSITEKTUR DI KAWASAN PESISIR

3 SKS

Tujuan Pembelajaran:

Pemahaman mengenal keterkaitan antara perubahan waktu-ruang-kultural eko-antroposistem kawasan pesisir dengan perkembangan tata ruang lingkungan dan arsitektur bangunan setempat. Pemahaman tersebut dapat meningkatkan kepeduliannya untuk menerapkan kekhasan perkembangan eko-antroposistem setempat kedalam rancangan arsitek-

tural di wilayah pesisir. Mahasiswa diharapkan mampu mengekspresikan sendiri secara sistematis pemahaman serta kepeduliannya terhadap masalah perancangan di wilayah pesisir.

Silabus:

Air dan arsitektur, pengertian dan pengetahuan dasar kawasan pesisir, daratan benua, perairan laut, kepulauan, waktu-ruang-kultural, eko-antroposistem pesisir, dampak interaksi pulau-laut terhadap kehidupan-penghidupan di pesisir, tata ruang, fasilitas bangunan dan arsitektur kawasan pesisir, dinamika kegiatan bermukim dan wujud permukiman di kawasan pesisir Indonesia, perubahan lingkungan dan resiko bencana di kawasan pesisir Indonesia, perubahan waktu-ruang-kultural eko-antroposistem suatu kawasan pesisir tertentu di Indonesia, peran arsitek dalam menata ruang, bangunan dan arsitektur masa depan di kawasan pesisir.

Prasyarat: Telah mengikuti Metode Perancangan

Buku Ajar:

1. Abimanyu Takdir Alamsyah, *Regionisme dalam Penataan Permukiman di Gugus Pulau Mikro*, unpublished doctoral dissertation, PSIL Universitas Indonesia, 2006
2. Abimanyu Takdir Alamsyah, *Menata Permukiman Pulau-Laut, Mempertahankan Keberlanjutan Bertanahair Kepulauan*, Pidato pengukuhan Guru Besar Universitas Indonesia. Depok, 2009
3. Michael R. Bloomberg and Amanda M. Burden, *Urban Waterfront Adaptive Strategies in Waterfront Vision & Enhancement Strategy*, NYC Planning, 2013
4. Subandono Diposaptono and Budiman, *Tsunami*, Penerbit Buku Ilmiah Populer, 2006
5. Charles Moore and Jane Lidz, *Water + Architecture*, Thames and Hudson Ltd, 1994
1. Malcolm Newson, *Land, Water and Development: River Basin Systems and their Sustainable Development*, Routledge, 1992
2. Koen Olthuis and David Keuning, *Float!. Building on Water to Combat Urban Congestion and Climate Change*, Frame Publishers, 2010
3. Djoko Pramono, *Budaya Bahari*, Gramedia Pustaka Utama, 2005
4. Alan P. Trujillo and Harold V. Thurman, *Essentials of Oceanography, Ninth Edition*, Pearson Education Ltd, 2008
5. Heather Vies and Tom Spencer, *Coastal Problems: Geomorphology, Ecology and Society at the Coast*, Edward Arnold, 1995
6. Ary Wahyono, AR Patji, SS Laksono, R. Indrawasih, Sudiyono dan Surmiati Ali, *Hak Ulayat Laut di Kawasan Indonesia Timur*, Media Presindo Yogyakarta, 2000

ENAR800228**ARSITEKTUR, KOTA, DAN KUASA****3 SKS****Tujuan Pembelajaran:**

Pemahaman akan peran arsitektur, perencanaan dan perancangan di dalam dan antar konteks urban. Peningkatan pemahaman akan hubungan antara perancangan lingkungan-bina dan kuasa (*power*). Peningkatan kesadaran untuk tidak lagi mendefinisikan arsitektur secara sempit (hanya dalam ranah desain/seni atau profesi arsitek) yang pada umumnya memisahkan aspek visual dan spasial dengan konteks sosial, politik, ekonomi dan budaya. Pemahaman bahwa lingkungan-bina disusun dari dan akan menghasilkan hubungan kuasa (*power*) tertentu di antara pemakainya dalam konteks yang spesifik.

Silabus:

Peran arsitektur dan perencanaan dalam konteks yang luas. Hubungan antara perancangan dan kuasa (*power*). Silabus disusun sesuai tema yang memperlihatkan hubungan tersebut, antara lain: Arsitektur dan *consumption*, kemiskinan dan ketidaksetaraan; informalitas; bencana, *theme parks/leisure*; ruang-ruang kolonial/post-kolonial/kebangsaan/globalisasi/ neoliberalisme; *spatial enclaves/zona/segregasi* berdasarkan jender, ras dan etnisitas, kelas sosial, agama; keadilan ruang; perumahan, infrastruktur.

Prasyarat: -

Buku Ajar:

1. Benedict Anderson, *Language and Power: Exploring Political Culture in Indonesia*, Ithaca: Cornell University Press, 1990 (esp. chapter "The Idea of Power in Javanese Culture")
2. James D Faubion, *Michel Foucault: Power, Essential Works of Foucault 1954-1984*, New York: The New Press, 1997
3. Kim Dovey, *Framing Spaces: Mediating Power in Built Form*, New York: Routledge, 1999
4. Lawrence Vale, *Architecture, Power and National Identity*, Routledge, 2002 (2nd ed)
5. Abidin Kusno, *Behind the Postcolonial: Architecture, Urban Space and Political Culture in Indonesia*, Routledge, 2000
6. Abidin Kusno, *After the New Order: Space, Politics and Jakarta*, University of Hawaii Press, 2013
7. Brenda S.A Yeoh, *Contesting Space in Colonial Singapore: Power Relations and the Urban Built Environment*, Singapore University Press, 2003
8. Nezar AlSayyad (ed), *Forms of Dominance: On the Architecture and Urbanism of Colonial Enterprise*, Avebury, 1992
9. Gwendolyn Wright, *The Politics of Design in French Colonial Urbanism*, Chicago: The University of Chicago Press, 1991
10. David Harvey, *Spaces of Hope*, University of California Press, 2000
11. James C. Scott, *Seeing Like a State: How Certain Schemes to Improve the Human Condition Have Failed*, Yale University Press, 1998
12. James Holston, *The Modernist City: an Anthropological Critique of Brasilia*, The University of Chicago Press, 1989
13. Janice E. Perlman, *Favela: Four Decades of Living on the Edge in Rio de Janeiro*, Oxford University Press, 2010
14. Mike Davis, *Evil Paradise: Dreamworlds of Neoliberalism*, The New Press, New York, 2007
15. Nezar AlSayyad & Ananya Roy, *Urban Informality: Transnational Perspectives from the Middle East, Latin America and South Asia*, New York: Lexington Book, 2004
16. Rafi Segal and Eval Weizman, *Civilian Occupation: the Politics of Israeli Architecture*, Babel and Verso, 2003
17. Teresa Caldeira, *City of Wall*, University of California Press, 2000
18. Don Mitchell, *The Right to the City: Social Justice and the Fight for Public Space*, The Guildford Press, 2003
19. Edward S. Popko, *Transition: A Photographic Documentation of a Squatter Settlement*, McGraw-Hill, 1978
20. Justin Mc Guirk, *Radical Cities: Across Latin America in Search of New Architecture*, London: Verso, 2014
21. David Harvey, *Rebel Cities: From The Right to The City to The Urban Revolution*, London: Verso, 2012
22. Marshall Berman, *All That is Solid Melt into Air: The Experience of Modernity*, New York: Penguin Books, 1982
23. Leopold Lambert, *Weaponized Architecture: The Impossibility of Innocence*, DPR-Barcelona, 2013
24. Andy Merrifield, *Metromarxism: A Marxist Tale of the City*, New York: Routledge, 2001
25. Nezar AlSayyad & Mejian Massoumi (eds), *Fundamentalist City? Religiosity and the Remaking of Urban Space*, London: Routledge, 2011
26. Edward W. Soja, *Seeking Spatial Justice*, University of Minnesota Press, 2010
27. Faranak Mirahtab & Neema Kudva (eds), *Cities of the Global South Reader*, Routledge, 2015
28. Etienne Turpin, et.al, *Jakarta: Architecture & Adaptation*, Jakarta: Universitas Indonesia Press, 2013 (esp. chapters Introduction and sections on interviews)
29. AbdouMaliq Simone, *Jakarta Drawing the City Near*, University of Minnesota Press, 2014
30. and various movies related to themes and learning objectives

ENAR800529**ARSITEKTUR PUSAKA****3 SKS****Tujuan Pembelajaran:**

Mahasiswa memahami pengertian dan isu-isu warisan pusaka (*heritage*) serta upaya pelestarian dalam arsitektur masa lampau, khususnya bangunan cagar budaya dan kawasan cagar budaya.

Silabus:

Pengenalan terhadap pengertian arsitektur pusaka yang meliputi aspek teraga (*tangible*) dan tidak teraga (*intangible*), serta aspek 'Outstanding Universal Value' dari Bangunan Cagar Budaya dan Kawasan Cagar Budaya. Pembahasan tentang

isu-isu kritis terkait warisan pusaka di dalam arsitektur dan kota. Pengenalan terhadap upaya pelestarian yang meliputi: pendataan, pendokumentasian, perencanaan, serta perlindungan, pengembangan dan pemanfaatan bangunan dan kawasan cagar budaya. Pembahasan preseden dari upaya pelestarian yang telah dilakukan selama ini di Indonesia.

Prasyarat: -

Buku Ajar:

1. Bernard M Feilden, *Conservation of Historic Building*, Butterworth-Heinemann Ltd, 1994
2. *Pengantar Panduan Konservasi Bangunan Bersejarah Masa Kolonial*, Pusat Dokumentasi Arsitektur dan Badan Pelestarian Pusaka Indonesia, 2011
3. Undang-undang Republik Indonesia Nomor 11 Tahun 2010 tentang Cagar Budaya
4. Peraturan Daerah Daerah Khusus Ibukota Jakarta Nomor 9 Tahun 1999 Tentang Pelestarian dan Pemanfaatan Lingkungan dan Bangunan Cagar Budaya
5. Amorim, Luiz et. Al. 'Preserving Space'. *Proceedings 6th International Space Syntax Symposium, Istanbul*, 2007 pp. 032-01 - 032-14.
6. Jean-Paul Corten et.al, *Heritage As An Asset for Inner-City Development: An Urban Manager's Guide Book*, Ammersfoort: Cultural Heritage Agency, nai010 Publishers, 2015
7. Fernando Diez, 'Heritage', dalam Cairns, Stephen, Crysler, Greig C., Heyne, Hilde. *The SAGE Handbook of Architectural Theory*. SAGE Publications, 2012, pp 274 - 86.
8. Peter J. Larkham, 'Conflict and Conservation' in *Conservation and the City*, Routledge, 1996, pp 3 - 30.
9. Adolf SJ Heuken, *Tempat-tempat Bersejarah di Jakarta*, Cipta Loka Caraka, 1997

ENAR800630

BANGUNAN HEMAT ENERGI

3 SKS

Tujuan Pembelajaran:

Mahasiswa memahami prinsip teori teknologi bangunan hemat energi dan dapat menerapkannya untuk merancang bangunan yang tanggap terhadap iklim dan hemat energy

Silabus:

Energi terbarukan, Iklim dan site, geometri matahari, pendinginan pasif, shading, cahaya alami & buatan dan sel surya.

Prasyarat: -

Buku ajar:

1. Donal Watson, *The Energy Design Handbook*, The American Institute of Architecture Press, 1993
2. Klaus Daniels, *The Technology of Ecological Building*, English translation by Elizabeth Schwaiger, Birkshauser Verlag, Berlin 1994
3. Norbert Lechner, *Heating Cooling Lighting*, Edisi kedua, terjemahan, PT Raja Grafindo Persada, 2007

ENAR800131

DESAIN KOMPUTASI DAN PERMODELAN PARAMETRIK

3 SKS

Tujuan Pembelajaran:

Dapat menggunakan media komputasi sebagai bagian dari proses perancangan dengan menggunakan pendekatan permodelan berbasis parameter dan pemrograman computer.

Silabus:

Pengenalan terhadap peralatan perancangan berbasis komputasi, pendekatan perancangan berbasis parameter, *algorithmic architecture* dan perangkat *scripting*.

Prasyarat: Memiliki kemampuan dasar dalam modeling berbasis NURBS dan CAD

Buku Ajar:

1. B Kolarevic, *Architecture in The Digital Age: Design and Manufacturing*, Spon Press, 2003
2. Mode Lab, n.d, *Foundations: Grasshopper Primer* Third Edition.
3. K Terzidis, *Algorithmic Architecture*, Routledge, 2006
4. R Oxman and R Oxman, *Theories of the Digital in Architecture*, Routledge, 2014

ENAR800632

FASAD BANGUNAN TINGGI

3 SKS

Tujuan Pembelajaran:

Mahasiswa mampu menguasai kaidah-kaidah fasad bangunan tinggi meliputi aspek estetika, teknis, dan ramah lingkungan.

Silabus:

Esensi kulit fasad bangunan tinggi (ketahanan terhadap gempa, gaya lateral/angin, dan kedap air); Desain fasad; Bahan dan teknologi detail fasad; *Green façade*.

Prasyarat: -

Buku Ajar:

1. Wolfgang Schueller, *Struktur Bangunan Bertingkat Tinggi*, PT Eresco, 1989
2. Mario Camp, *Skycrapers: An Architectural Type of Modern Urbanism*, Birkhauser, 2000
3. Hart, Henn, and Sontag, *Multi-Storey Buildings in Steel*, Granada Publishing, 1978
4. *Details in Architecture*
5. The Images Publishing Group, *Creative Detailing by Some of The World's Leading Architects*, The Images Publishing Group Pty Ltd, 2004

ENAR800133

GEOMETRI DAN ARSITEKTUR

3 SKS

Tujuan Pembelajaran:

Memahami peran geometri sebagai sebuah basis dalam pembentukan arsitektur; Mampu melakukan eksplorasi terhadap berbagai kemungkinan penggunaan geometri sebagai 'critical tools of analysis' terhadap karya arsitektur yang ada maupun dalam pembentukan sebuah karya arsitektur.

Silabus:

Perkembangan pengetahuan geometri dan implikasinya terhadap perkembangan gagasan arsitektur dan kreativitas; geometri dan estetika arsitektur klasik; geometri Euclidean dan non-Euclidean dalam arsitektur; geometri dan konsep kota ideal; geometri, musik dan arsitektur; geometri dan persepsi; topologi dalam arsitektur; geometri di alam semesta; eksplorasi mekanisme pembentukan geometri dalam sebuah karya dan potensi pengembangannya lebih lanjut.

Prasyarat: -

Buku Ajar:

1. Vitruvius, *Ten Books on Architecture*, Dover Publications, 1960
2. Colin Rowe, *Mathematics of an Ideal Villa*, MIT Press, 1976
3. Peter Davidson & Donald L. Bates, *Architecture after Geometry*, Architectural Design, 1999
4. Irene Scalbert, Archis, *Towards a Formless Architecture: The House of the Future by A+P Smithson*, Archis, 1999
5. D'Arcy Thompson, *On Growth and Form*, Dover Publications, 1992
6. Jane Jacobs, *The Death and Life of Great American Cities*, RandomHouse, 1961
7. Elizabeth Martin, *Architecture as a Translation of Music in Pamphlet Architecture 16*, Princeton Architectural Press, 1994

ENAR800334
KEBIJAKAN PERUMAHAN
3 SKS

Tujuan Pembelajaran:

Mendalami kebijakan perumahan sebagai seperangkat konsep yang melandasi penyelenggaraan sektor perumahan di sebuah negara, meliputi antara lain: pengertian, tujuan, karakteristik, motif, cakupan, dan implementasinya. Membahas *housing policy* dan relasinya dengan aspek politik, sosial, ekonomi, kultural, dan lingkungan dan dampaknya terhadap praktek penyelenggaraan perumahan termasuk dalam lingkup arsitektur dan kota.

Silabus:

Indonesia as an archipelagic country: developing country, economic disparity and urban formation; Urbanization, migration: Indonesia demographic characteristic; constitution of society; Housing demand & supply (formal & informal sectors); Politics of the state and housing policy: Typology of housing provision in Indonesia (legal aspect; mode of consumption; mode of production); Housing economy and finance; Land policy; Housing technology; Housing policy in Asian countries

Prasyarat: -

Buku Ajar:

1. H Arendt, *The Human Condition*, The University of Chicago Press, 1958, pp. 7-17
2. M Heidegger tr by Albert Hofstadler, Kerper & Row, *Poetry, Language, Thought*, Publishing Inc., 1971, pp. 145-161
3. M Foucault, S. During (ed.), '*Space. Power and knowledge*', The Cultural Studies Reader Second Edition, Routledge, 1999: 134-41
4. Henri Lefebvre translated by Donald Nicholson-Smith, *The Production of Space*, Blackwell, 1991, Chapter 1, pp. 26-52
5. P Bourdieu, *Outline of A Theory of Practice*, Cambridge University Press, 1977, pp. 72-95
6. M De Certeau tr by Steven F. Rendall, *The Practice of Everyday Life*, University of California Press, 1984, pp. 29-42 and 91-110
7. Kendig Hal L, '*Housing Careers, Life Cycle and Residential Mobility : Implications for the HousingMarket*', *Urban Studies*, 1984, 21, 271-283
8. Michael Haan & Thomas Perks. '*The Housing Careers of Older Canadians: An Investigation Using Cycle 16 of the General Social Survey*'. *Canadian Studies in Population* Vol. 35.2, 2008, pp. 223-242
9. K. D. Willis, *Squatter Settlements*, Elsevier Ltd, 2009
10. Brian Sullivan & Ke Chen. '*Design for Tenant Fitout: A Critical Review of Public Housing Flat Design in Hong Kong*'. *Habitat Intl.* Vol 21. No 3, 1997, pp. 291-303
11. Leland Blank and Anthony Tarquin. *Engineering Economy: Seventh Edition*, McGraw Hills, 2012
12. B Harsman & J Quigley, *Housing Markets & Housing Institutions in a Comparative Perspective*". *Housing Markets & Housing Institutions*, Kluwer Academic, 1991, pp.1-29
13. Fashbir N Sidin, *Housing Policy Systems in South and East Asia*, Palgrave Macmillan, 2002, pp.161-176
14. John F.C Turner and Robert Fichter, *Freedom to Build*, Collier Mcmillan, 1972
15. John F.C Turner, *Housing By People: Towards Autonomy in Building Environments*, The Value of Housing, 1976, pp. 53-74.
16. A T Alamsyah, Menata permukiman Pulau-Laut. Pidato Pengukuhan Guru Besar UI, 2008
17. Mayor Michael R Bloomberg and Amanda M. Burden, *Coastal climate resilience, Urban waterfront adaptive strategies*, Department of City Planning, 2013
18. A T Alamsyah, Regionisme dalam Penataan Permukiman di Gugus Pulau Mikro, Disertasi, PSIL UI, 2006
19. Diposaptono, Subandono, Budiman, Hidup Akrab dengan Gempa dan Tsunami, Penerbit Buku Ilmiah Populer, 2008

ENAR800135
KESEHARIAN DAN ARSITEKTUR
3 SKS

Tujuan Pembelajaran:

Memahami eksistensi fenomena keseharian (*everyday*) sebagai sebuah pendekatan dalam berarsitektur; menempatkan posisi disiplin ilmu arsitektur dalam menanggapi berbagai fenomena ruang hidup sehari-hari.

Silabus:

Pengertian dan latar belakang historis konsep '*everyday*' dalam arsitektur; pemahaman *origin* (asal-usul); ruang domestik; estetika dalam arsitektur dan '*everyday*'; konsep kota ideal dan kaitannya dengan '*everyday*'; ruang *cyber* dan ruang virtual; fenomena '*everyday*' dalam ruang urban; pendekatan partisipasi dalam arsitektur.

Prasyarat: -

Buku Ajar:

1. Steven Harris & Deborah Berke (eds.), *Architecture of the Everyday*, Princeton Architectural Press, 1997
2. Sarah Wigglesworth & Jeremy Till (eds.), *The Everyday and Architecture*, Architectural Design, 1998
3. Michel de Certeau, *The Practice of Everyday Life*, University of California Press, 1998
4. Malcolm Miles, *The Uses of Decoration: Essays in the Architectural Everyday*, Wiley, 2000
5. Jonathan Hill (ed), *Occupying Architecture*, Routledge, 1998
6. Margaret Crawford, et.al, *Everyday Urbanism*, Monacelli, 1999, Arnstein, *Ladder of Citizen Participation*, 1969

ENAR800636
MANAJEMEN PROYEK
3 SKS

Tujuan Pembelajaran:

Mengembangkan pengetahuan tentang proses kegiatan dan manajemen proyek perencanaan dan pembangunan gedung, terutama dalam administrasi aspek teknik maupun ekonomi bangunan pada tahap awal, perancangan, konstruksi, hingga akhir proyek. Melatih kemampuan untuk membahas kandungan dan secara kritis dokumen administrative dalam manajemen proyek, ketentuan perundang-undangan serta standar pembangunan. Melatih kemampuan untuk menyusun proposal TOR, dokumen lelang, administrasi perancangan, administrasi konstruksi, atau Panduan Proyek (*Project Manual*) jasa konstruksi dalam proyek sederhana, termasuk bekerja bersama klien nyata.

Silabus:

Sebagai suatu produk, manajemen proyek adalah rekaman proses kegiatan proyek secara menyeluruh, baik sebagai pedoman kerja, sarana koordinasi maupun pengendalian suatu proyek. Sebagai suatu proses, manajemen proyek juga merupakan rangkaian kegiatan yang menghasilkan dan bertanggung jawab terhadap kuantitas rekaman seluruh tahapan kegiatan manajemen proyek, dalam satu fungsi yang multi disiplin. Mata ajaran ini memperkenalkan keterampilan yang diperlukan untuk manajemen proyek sepanjang daur hidupnya dengan model kronologis.

Prasyarat: -

Buku Ajar:

1. PMI, *A Guide to Project Management Body of Knowledge (PMBOK Guides) 3 ed*, Project Management Institute, 2004
2. J.M Amos and B.R Sarchet, *Management for Engineers*, Prentice-Hall Inc,
3. D Sbarrie, *Professional Construction Management*, McGraw-Hill, 1986
4. D Cadman and L Austin-Crowe, *Property Development*, EF & N Spon, 1978

ENAR800337
MEMAHAMI FENOMENA: PLATO SAMPAI DENGAN DERRIDA
3 SKS

Tujuan Pembelajaran:

Mahasiswa diberikan pengenalan filosofi dalam arsitektur, khususnya perbedaan pengetahuan dan pembuktian fisik/ empirik dan penjelasan metafisik dalam memahami fenomena arsitektur; selanjutnya, mampu mewacanakan dan mendemonstrasikan prinsip berpikir secara kritis terkait perbedaan pengamatan dan olah-pikir masing-masing fenomena arsitektural khususnya dalam penerapan prinsip-prinsip tersebut dalam suatu wacana kasus arsitektural tertentu.

Silabus:

Bentuk dan Wujud dalam dunia fisik dan metafisik, pemahaman ontologis tentang 'apa' dan 'keapaan' bentuk arsitektural dari pengetahuan empirik dan metafisik, Plato dan *Khōra*, Fenomena dan Fenomenologi Husserl (essensialisme) dan Heidegger (eksistensialisme), Tanda (*Sign*) Semiotika, Mitos, Simulacra dan Dekonstruksi, *Knowledge-Power*.

Prasyarat: -**Buku Ajar:**

1. R Barthes tr by Annette Lavers, *Mythologies*, Hill and Wang, 1972
2. J D Caputo (ed.), *Deconstruction in a Nutshell: Conversation with Derrida*, Fordham University Press, 1997
3. G Deleuze tr by Paul Patton, *Difference and Repetition*, Columbia University Press, 1994
4. J Derrida edited by Thomas Dutoit, *On The Name*, Edited by Thomas Dutoit. Stanford University Press, Stanford, 1993, chapter about *Khōra*
5. J Derrida tr by Gayatri Spivak, *Of Grammatology*, The John Hopkins University Press, 1974, *Translator's Note* by G. Spivak
6. M Heidegger, *Language, Poetry and Thinking*, Perennial Classic, 1971, chapter: *Dwelling, Building and Thinking*.
7. D Moran, *Introduction to Phenomenology*, Routledge, 2000
8. R H Popkin and Avrum Stroll, *Philosophy Made Simple*, Doubleday Company, Inc., 1956

ENAR800238**PERENCANAAN KOTA****3 SKS****Tujuan Pembelajaran:**

Mahasiswa memahami sejarah dan teori perencanaan kota melalui survey kesejarahan dan/atau melalui tema-tema kunci. Mahasiswa memiliki pemahaman akan (1) bagaimana ruang kota berfungsi (dilihat dari konteks sejarah) dilandasi oleh pencarian tatanan ruang; (2) paradigm-paradigma kunci dalam pemikiran perencanaan kota. Mata kuliah ini akan disusun seputar prinsip bahwa sejarah perencanaan kota adalah juga teori perencanaan kota yang terikat oleh etika perencanaan.

Silabus:

Silabus disusun mengikuti tatanan kronologis dan dibagi dalam 5 bagian: (1) refleksi terhadap ide perencanaan, asal muasal dan praktek perencanaan; kota industri dan '*housing question*'; pencarian tatanan spasial; (2) kota modernis; eksperimen kolonial dan pasca-kolonial; (3) mimpi suburban (warisan perencanaan kota Amerika); dari *ghetto* ke kota-kota panutan (kontrol rasial & etnis); (4) kota dan kewarganegaraan di momen sejarah yang berbeda; peraturan dan pengaturan ruang (dasar peraturan dari perencanaan); krisis perkotaan, manajerial perkotaan dan kota bisnis; membangun kota kelas dunia di global South; (5) teori-teori yang berkompetisi di perencanaan dan keadilan; melihat perencanaan melampaui neo-liberalisme: paradigma yang bermunculan di perencanaan.

Alternatif lainnya, silabus dapat pula menginterupsi tatanan kronologis dan disusun menyerupai kelas survey yang menata materinya ke dalam tema-tema kunci, seperti: *Empire*; Kolonial/Paska-kolonial; Modernitas & Alternatif Modernitas; Kapitalisme Pacific Rim dan Transnational Urbanisme; Ras/Etnis, Perencanaan dan Real Estate; Kota dan Desa; Marginalitas; Pembangunan kembali Kota; Kota Entreprenur, Perencanaan Dystopia dan Paska Perkotaan.

Prasyarat: -**Buku Ajar:**

1. Selected articles from *Journal of Planning Theory & Practices*; *Cities, Space & Polity*, *International Journal on Urban Regional Research*; *Journal of Planning Education and Research*; *Journal of Urban Studies*; *Journal of Urban Forum*; *Journal of Urban History, Environment and Urbanization*; *Antipode*; *Journal of Planning Literature*
2. Paul H. Gleye, "City Planning versus Urban Planning: Resolving Profession's Bifurcated Heritage," in *Journal*

- of Planning Literature*, 2015, Vol 30(1), 3-17.
3. John Friedmann. *Planning in the Public Domain: From Knowledge to Action*, 1987
 4. Peter Hall, *Cities of Tomorrow: An Intellectual History of Urban Planning and Design in the Twentieth Century*, Blackwell Publishing, 2002 (3rd ed)
 5. Friedrich Engels, *The Housing Question*, Lawrence and Wishart, Ltd, 1942
 6. Mike Davis, *Planet of Slum*, Verso, 2007
 7. Dolores Hayden, *Redesigning the American Dream: The Future of Housing, Work, and Family Life*, W.W Norton & Company, 2007 (2nd ed)
 8. Christine Boyer, *Dreaming the Rational City: The Myth of American City Planning*, MIT Press, 1986
 9. Kermit C Parsons & David Schuyler (eds), *From Garden City to Green City: The Legacy of Ebenezer Howard*, Baltimore: The John Hopkins University Press, 2002
 10. The Congress for the New Urbanism. 2001. Charter.
 11. Robert Caro, *The Power Broker: Robert Moses and the Fall of New York*, Vintage, 1975
 12. Marshall Berman, *All That is Solid Melts into Air*, Penguin Book, 1988
 13. James Scott, *Seeing Like a State: How Certain Schemes to Improve the Human Condition Have Failed*, Yale University Press, 1999
 14. Nezar AlSayyad (ed), *Forms of Dominance: On the Architecture and Urbanism of the Colonial Enterprise*, Avebury, 1992
 15. Lisa Peattie, *Planning: Rethinking Ciudad Guayana*, University of Michigan Press, 1987
 16. James Holston, *The Modernist City: An Anthropological Critique of Brasilia*, University of Chicago Press, 1989
 17. June Manning Thomas and Marsha Ritzdorf (eds), *Urban Planning and the African American Community: In the Shadows*, SAGE Publication, Inc, 1996
 18. Kenneth T. Jackson, *Crabgrass Frontier: The Suburbanization of the United States*, Oxford University Press, 1987
 19. St Clare Drake & Horace R. Cayton, *Black Metropolis: A Study of Negro Life in a Northern City*, University of Chicago Press, 1993.
 20. Edward Banfield, *Unheavenly City Revisited*, Waveland Press, 1990
 21. Susan S Fainstein & Scott Campbell, *Reading in Planning Theory*, Wiley-Blackwell, 2011
 22. Lewis Mumford, *The City in History: Its Origin, Its Transformation and Its Prospects*, A Harvest/HBJ Books, 1961
 23. Stephen Graham & Simon Marvin, *Splintering Urbanism: Networked Infrastructures, Technological Mobilities, and the Urban Condition*, 2001
 24. Aihwa Ong & Ananya Roy (eds), *Worlding Cities and the Art of Being Global*, Wiley-Blackwell, 2011
 25. Patsy Haley, E.A Silva, et.al, "Routledge Handbook on Planning Research Methods" Routledge, 2015.
 26. Faranak Mirahtab, *Cities in the Global South Reader*, Routledge, 2014.

ENAR800039
KAJIAN MANDIRI
3 SKS

Tujuan Pembelajaran:

Memiliki wawasan pengetahuan lanjut arsitektural dalam berbagai topik dan menerapkannya dalam pengembangan gagasan intervensi arsitektural

Silabus:

Kajian pengetahuan arsitektural lanjut dalam sebuah konteks tertentu; pengembangan gagasan intervensi arsitektural berdasarkan kajian mendalam atas konteks dan kajian teoritis dalam topik yang terkait

Prasyarat: Disesuaikan dengan topik yang ditawarkan

Buku Ajar: Disesuaikan dengan topik yang ditawarkan

ENAR800040
KAPITA SELEKTA
3 SKS

Tujuan Pembelajaran:

Menguasai berbagai topik pengetahuan yang mendukung penguasaan *mastery* dalam bidang arsitektur.

Silabus:

Topik-topik pilihan yang relevan dengan penguasaan pengetahuan arsitektur lanjut dan perkembangannya,

Prasyarat: Disesuaikan dengan topik yang ditawarkan

Buku Ajar: Disesuaikan dengan topik yang ditawarkan

ENAR800041**TOPIK KHUSUS PERANCANGAN ARSITEKTUR****3 SKS****Tujuan Pembelajaran:**

Memiliki wawasan mengenai perkembangan pengetahuan arsitektur terkini dan penerapannya dalam perancangan arsitektur.

Silabus:

Kajian perkembangan teori arsitektur kontemporer; perkembangan metode perancangan arsitektur; perkembangan teknik representasi arsitektur; perkembangan dalam disiplin ilmu lain yang mempengaruhi perkembangan teori dan metode perancangan arsitektur.

Prasyarat: -

Buku Ajar: Disesuaikan dengan topik yang ditawarkan

ENAR800042**TOPIK KHUSUS PERANCANGAN PERKOTAAN****3 SKS****Tujuan Pembelajaran:**

Memiliki wawasan mengenai perkembangan pengetahuan perkotaan terkini dan penerapannya dalam perancangan perkotaan.

Silabus:

Kajian perkembangan teori perancangan perkotaan; perkembangan metode perancangan perkotaan; kajian isu-isu terkini yang terkait perancangan perkotaan; perkembangan dalam disiplin ilmu lain yang mempengaruhi perkembangan teori dan metode perancangan perkotaan.

Prasyarat: -

Buku Ajar: Disesuaikan dengan topik yang ditawarkan

ENAR800043**TOPIK KHUSUS PERUMAHAN DAN PERMUKIMAN PERKOTAAN****3 SKS****Tujuan Pembelajaran:**

Memiliki wawasan mengenai perkembangan pengetahuan perumahan dan permukiman kota terkini.

Silabus:

Kajian perkembangan teori perumahan dan permukiman kota; kajian isu-isu terkini yang terkait dengan perumahan dan permukiman kota.

Prasyarat: -

Buku Ajar: Disesuaikan dengan topik yang ditawarkan

ENAR800044
TOPIK KHUSUS PROPERTI
3 SKS

Tujuan Pembelajaran:

Memiliki wawasan mengenai perkembangan pengetahuan properti terkini.

Silabus:

Kajian perkembangan teori dan praktik properti; kajian isu-isu terkini yang terkait dengan praktik pengembangan properti.

Prasyarat: -

Buku Ajar: Disesuaikan dengan topik yang ditawarkan

ENAR800045
TOPIK KHUSUS SEJARAH, TEORI DAN KRITIK ARSITEKTUR
3 SKS

Tujuan Pembelajaran:

Memiliki wawasan historis dan teoritis yang terkait perkembangan arsitektur.

Silabus:

Kajian sejarah arsitektur dari berbagai periode; perkembangan wacana sejarah dan teori arsitektur.

Prasyarat: -

Buku Ajar: Disesuaikan dengan topik yang ditawarkan

ENAR800046
TOPIK KHUSUS SUSTAINABILITAS
3 SKS

Tujuan Pembelajaran:

Memiliki wawasan mengenai perkembangan pengetahuan sustainabilitas terkini dan penerapannya dalam perancangan arsitektur.

Silabus:

Kajian perkembangan teori teknologi bangunan dan lingkungan berkelanjutan; kajian isu-isu terkini terkait sustainabilitas; inovasi praktik perancangan arsitektur yang terkait sustainabilitas; inovasi struktur, konstruksi, bahan dan sistem bangunan; konservasi energi.

Prasyarat: -

Buku Ajar: Disesuaikan dengan topik yang ditawarkan

ENAR800047
TEACHING ASSISTANTSHIP
3 SKS

Tujuan Pembelajaran:

Memahami prinsip-prinsip dasar pembelajaran dan mampu melakukan praktik mengajar sebagai fasilitator dalam mata kuliah atau studio pada jenjang sarjana.

Silabus:

Dasar-dasar pembelajaran; teori pembelajaran dasar: *behaviorism*, *cognitive constructivism* dan *social constructivism*; metode instruksional dan teknik fasilitasi dalam pembelajaran arsitektur; metode evaluasi dan penilaian (*assessment*), pengelolaan studio perancangan dalam pendidikan arsitektur.

Prasyarat: -

Buku Ajar:

1. Heather Fry, Steve Ketteridge and Stephanie Marshall (eds.), *A Handbook for Teaching and Learning in Higher Education: Enhancing Academic Practice* (Third edition), Routledge, 2009.
2. David Nicol and Simon Pilling, *Changing Architectural Education: Towards a New Professionalism*, Taylor & Francis, 2000.
3. Rosie Parnell et al., *Crit: An Architecture Student's Handbook*, Routledge, 2007

COURSE DESCRIPTION (COMPULSORY COURSES)

ENAR801001

ADVANCED DESIGN AND RESEARCH METHODS

4 CREDITS

Learning Objectives:

Student should be able to explore the theory and design method that earns many critics' attention in architecture and design world. Student can choose appropriate design approach for good architectural research which related to architecture design research, urban design, urban housing and settlement, history and theory, property and building technology

Syllabus:

Research method: architectural thinking and research; terminology (ontological, psychological); architectural text and language style; research questions; research arguments; research logic; assumption and paradigm; research strategy and tactics; research proposal making.

Advanced design method: Design research, relation between research and design; thesis statement; architecture arguments' form; exploration of design theory and method that are argued by professional critics in architecture and design world.

Pre-requisites:

None for Architecture Master's Program student. By permission for Architecture Undergraduate student.

References:

1. J.M. Bochenski, *The Methods of Contemporary Thoughts*, , Harper Torchbook, 1968
2. G. Broadbent, *Design in Architecture: Architecture and the Human Sciences*, David Fulton Publisher, 2000;
3. Sir Karl Popper, *The Logic of Scientific Discovery*, Routledge Classic, 2002
4. T. Y.Hardjoko, *Panduan Meneliti dan Menulis Ilmiah*, Departemen Arsitektur, 2005
5. F. Crews, *The Random House Handbook*, 3rd ed, Random House, 1980
6. Edward Tufte, *Envisioning Information*, Graphics Press, 1983
7. John Zeisel, *Inquiry by Design: Environment/Behavior/Neuroscience in Architecture, Interiors, Landscape, and Planning*, W. W. Norton, 2006
8. Linda Groat & David Wang, *Architectural Research Methods*, John Wiley & Sons, 2002
9. Murray Fraser (Ed). *Design Research in Architecture*, Routledge, 2013
10. Philip Plowright, *Revealing Architectural Design: Methods, Frameworks, Tools*, Routledge, 2014
11. Bryan Lawson, *How Designers Think: The Design Process Desmystified*, Architectural Press, 2005
12. Hazel Clark dan David Brody (eds), *Design Studies: A Reader*, Berg, 2009.
13. Nigel Cross, *Designerly Ways of Knowing*, Birkhauser, 2007

ENAR801002

ADVANCED ARCHITECTURAL THEORIES

5 CREDITS

Learning Objectives:

Students are introduced to advanced architectural theories in general and provides the basic of research for each field, which include advanced architectural design (creative process); architecture and humanities, and architecture and technology (especially sustainability). The focus remains on the architectural phenomenon - aspects of space, place and form/shape; in a scale from private spaces to urban areas.

Syllabus:

Architecture as a discipline: space, place/non-place (topia, utopia, heterotopia, dystopia); Architectural form, design thinking and process (positivism, rationalism, tame/wicked problem, IBIS, pattern language, diagram); Architecture and property development (real estate);

Socio-cultural aspects in architecture: historiography, evolution/ history of human settlement (human life-cycle space, culture and the politics of space);
Architecture and sustainability: building physics, construction and technology.

Pre-requisites: -

References:

1. -----, *The Appraisal of Real Estate 13th edition*, Appraisal Institute, 2008
2. Christopher Alexander, *Notes on the Synthesis of Form*, Harvard University Press Publication, 1964
3. Andrew Ballantyne (ed.), *Architecture Theory, A Reader in Philosophy and Culture*, Continuum, 2005
4. S Bell et.al. *Sustainability Indicators: Measuring the Immeasurable?*, Earthscan Publications Ltd, 2000
5. A Bertaud, *The Regulatory Environment of Urban Land in Indonesia: Constraints Imposed on the Poor and Impact of World Bank's Urban Projects*, Asia Technical Department, 2003
6. Ricky Burdett eds, *Living in the Endless City: The Urban Age Project by the London School of Economics and Deutsche Bank's Alfred Herrhausen Society*, Paidhon, 2011
7. Stephen Cairns, Greig C Crysler, and Hilde Heynen, *The SAGE Handbook of Architectural Theory*, Sage Publication, 2012
8. Adrian Forty, *Words and Buildings, A Vocabulary of Modern Architecture*, Thames and Hudson, 2000
9. Bernd Evers and Christof Thoenes (eds), *Architectural Theory from the Renaissance to the Present*, Taschen, 2003
10. Michael K Hays, *Architecture Theory since 1968*, MIT Press, 1998
11. Triatno Y Hardjoko, *Urban Kampung. Its Genesis and Transformation into Metropolis, with particular reference to Penggilingan in Jakarta*, VDM, 2009
12. Charles Jencks (eds.), *Theories and Manifestoes*, Academy Editions, 1997
13. Keith Jenkins, *Re-thinkingHistory*, Routledge, 1991
14. Paul Alan Johnson, *The Theory of Architecture: Concepts, Themes & Practices*, Van Nostrand Reinhold, 1994
15. Hanno-Walter Kruft, *A History of Architectural Theory from Vitruvius to The Present*, Princeton Architectural Press, 1994
16. M Larice and E Mcdonald (eds), *Urban Design Reader*, Routledge, 2006
17. Henri Lefebvre translated by Donald Nicholson-Smith, *The Production of Space*, Blackwell, 1991
18. Miko E Miles, Gayle Berens, and Marc A Weiss, *Real Estate Development*, Urban Land Institute, edisi terakhir
19. M Mostavi at all (eds.), *Ecological Urbanism*, Lars Muller Publisher, 2010
20. Kate Nesbitt (Ed), *Theorizing, A New Agenda for Architecture, An Anthology of Architectural Theory*, Princeton Architectural Press, 1996
21. Jean-Pierre Protzen and David J Harris, *The Universe of Design: Horst Rittel's Theories of Design and Planning*, Routledge, 2010
22. W Rutz, *Cities and Towns in Indonesia: Their Development, Current Positions and Functions with Regard to Administration and Regional Economy*, Gebrunger Borttraeger, 1987
23. Christian Norbrg Schulz, *Intentions in Architecture*, MIT Press, 1968
24. D G Shane, *Recombinant Urbanism: Conceptual Modeling in Architecture, Urban Design and City Theory*, Academy Press, 2005
25. James D Shilling, *Real Estate*, Oncourse Learning, 2001
26. D'Arcy Thompson, *On Growth and Form*, Cambridge University Press, 1987

ENAR801106

ARCHITECTURAL DESIGN STUDIO 1

5 CREDITS

Learning Objectives:

Students should be able to explore and develop arguments for architectural design concepts based on research and design method in urban context.

Syllabus:

The development of logical argument based on design research, method and design in the studio related to design concept, issue, keywords, design theory, and program on urban context based on specific idea. Data collection is based on specific parameters externally and internally which define certain form. Identification of issues that are related to environmental sustainability and tropical climate context, and formulation of program as spatial journey.

Tectonic aspects cover form, structure, and building system. The knowledge on design based on typology and topology. The consideration on safety and health aspects. The mastery on architectural expression includes model, sketches, architectural drawings, and digital media.

Pre-requisites: -

Buku Ajar:

1. Christopher Alexander, *A Pattern Language*, Oxford University Press, 1977
2. Peter Eisenman, *Diagram Diaries*, Thames & Hudson, 1999
3. William McDonough and Michael Braungart, *The UpCycle: Beyond Sustainability - Designing for Abundance*, Melcher Media: A Northpoint Press, 2013
4. Jean-Michel Kantor, "A Tale of Two Bridges: Topology and Architecture" in *Nexus Network Journal*, Volume 7, Issue 2, November 2005, pp 13-21
5. Works and thoughts of Zaha Hadid, Frank Gehry, Rem Koolhaas, Bernard Tschumi, Stephen Holl, Bjarke Ingels, Julien De Smedt, etc.

ENAR801209

URBAN DESIGN STUDIO 1

5 CREDITS

Learning Objectives:

Students should be able to understand the basic of analysis and have the skills to apply urban design regulation gradually, from urban elements to urban guidelines until certain scale, with a strip or a mixed use environment as the object of study. Students should also be able to understand the basic of urban design application using in-depth analysis and to demonstrate critical understanding of environmental contexts and issues.

Syllabus:

The chosen site is a strip or complex environment that has variety of city elements that could give opportunity for students to do multiple analysis. To understand and apply the idea of place making in private nor public area, open space nor building, to materialize individual needs nor community/public. To critically reviewing in wider scale and context in various plans and city regulation including master plan, zoning, UDGL, etc.

Pre-requisites: -

References:

1. Carmona, Matthew et.al, *Public Spaces Urban Spaces*. Oxford: Architectural Press, 2003
2. Gehl, Jan, *How to Study Public Life*, Copenhagen: Island Press, 2013
3. Hester, Randolph T., *Design for Ecological Democracy*, Cambridge, MA: The MIT Press, 2010
4. Shane, Graham, *Recombinant Urbanism*. Great Britain: John Willeys & Sons, 2005
5. Jacobs, Allan B., *Looking at Cities*. Cambridge, MA: Harvard University Press, 1985
6. Krier, Rob, *Urban Space*. New York: Rizzoli Int. Publication, 1970
7. Lynch, Kevin, *Good City Form*. Cambridge, MA: MIT Press., 1984
8. Larice, Michael, *Urban Design Reader*, London: Routledge, 2012
9. National Association of City Transportation Officials, *Urban Street Design Guide*, Copenhagen: Island Press, 2013
10. Rossi, Aldo, *The Architecture of the City*. Cambridge, MA: MIT Press, 1982

ENAR801312

URBAN HOUSING AND SETTLEMENT STUDIO 1

5 CREDITS

Learning Objectives:

Students should be able to design housing project based on market mechanism; design program including market potential research, market economy, location, and types of housing.

Syllabus:

The potential housing project covers market demand, housing economy; Design process covers precedent literature based on overseas and local resources; design development; housing project model; design report including housing economy, technical design including model/maquette from housing project.

Prerequisites: -

References:

1. C A Doxiades, *Ekistics: An Introduction to the Science of Human Settlements*, Oxford University Press, 1968
2. John Macsai F.A.I.A. et. al., *Housing*, John Wiley & Sons, 1982.
3. Jörg Blume (ed.), *Housing for the Future: Projects in Germany 1996*, Inter -Nationes, 1996
4. Direktorat Jenderal Cipta Karya, Dep. PU, *Pedoman Teknik Perencanaan Perumahan Flat dan Maisonette*, 1981
5. DC Corporate Documentation, *Real Estate Investment Calculations*
6. The Dewberry Companies, *Land Development: Planning, Engineering and Surveying*, McGraw-Hill, 2004
7. Joshua Kahr and Michael C. Thomsett, *Real Estate Market Valuation and Analysis*. John Wiley & Sons, 2005

ENAR801415**PROPERTY WORKSHOP 1****5 CREDITS****Learning Objectives:**

Students should be able to learn the relation between architecture and real estate activate in a small scale project. Relating to the place innovation for human activity like new building type, lifestyle, market segmentation, et cetera.

Syllabus:

The dream & the product; the products (precedence): residential property, commercial/ retail property, office building/ property for working; money matters/ feasibility study; the products & the users/ lifestyle; management aspects of a property product; The proposed products (future): residential property, commercial/ retail property, office building/ property for working; finance & management.

Prerequisites: -

References: -

ENAR801518**HISTORY AND THEORY WORKSHOP 1****5 CREDITS****Learning objectives:**

Students should be able to master research in history which are related to historiography and architectural artifact.

Syllabus:

Architectural Historiography: use various methodologies to create architectural historiography; Artifact: Heritage of architecture and cities; introducing city/architecture heritage as significant artifact to be documented.

Prerequisites: -

References:

1. Iain Borden and David Dunster (eds), *Architecture and the Sites of History: Interpretations of Buildings and Cities*, Butterworth Architecture, 1995
2. E H Carr, *What is History?*, Penguin Books, 1961
3. Keith Jenkins, *Rethinking History*, Routledge, 1991
4. Hayden White, *Tropics of Discourse: Essays in Cultural Criticism*, The Johns Hopkins University Press, 1978
5. Hayden White, "The Burden of History", *History and Theory*, Vol. 5, No. 2, 1966 pp. 111-134
6. Mona Lohanda (ed), *Arsip dan Sejarah*, ANRI, 1980

7. G W F Hegel tr. J. B. Baillie, *Phenomenology of Mind*, 1910; 2nd ed. 1931
8. G W F Hegel tr. A. V. Miller, *Hegel's Phenomenology of Spirit*, Oxford University Press, 1977

ENAR801621
ARCHITECTURE AND SUSTAINABILITY WORKSHOP 1
5 CREDITS

Learning Objectives:

Students should be able to develop and apply building technology theory in a small scale design project research.

Syllabus:

Thermal comfort measurement and passive cooling, design and evaluation of natural lighting, noise controlling and evaluation method, planning of using alternative energy.

Prerequisites: -

References:

1. Dominique Gauzin-Muller, *Sustainable Architecture and Urbanism*, Birkhauser, 2002
2. Earl R. Babbie, *The Practice of Social Research*, Belmont: Wadsworth Publ. Co.Inc, 1973
3. Giancoli DC. *General Physics*, Prentice Hall Inc, 1984
4. James Ambrose, *Simplified Design for Building Sound Control*, John Wiley & Sons, 1995
5. Leslie L Doelle and Lea Prasetio, *Akustik Lingkungan*, Erlangga, 1993
6. KE Watt, *Understanding the Environment*, UC Press, 1982
7. SFPE Handbook, *Society of Fire Protection Engineering*.

ENAR802107
ARCHITECTURAL DESIGN THEORIES
3 CREDIT HOURS

Learning Objectives:

Students should be able to understand and have the ability to do critical analysis to architectural ideas in classic and contemporary architecture, and also able to find the relation between discourses of theory and practice in architectural design.

Syllabus:

The development architecture shaping mechanism since classic architecture to contemporary; recent ideas in the discourses of architecture design theory and practice discourses; ideal ideas in architecture; multi-discipline approach (art, mathematics, science, and social) in architecture theory and design.

Prerequisites:

Students have taken Advanced Architectural Theories

References:

1. Stephen Cairns, Greig C Crysler, Hilde Heynen. *The SAGE Handbook of Architectural Theory*. SAGE Publications, 2012.
2. Michael Hays, *Architecture Theory since 1968*, MIT Press, 1998.
3. Kate Nesbitt, *Theorizing a New Agenda of Architecture: An Antology of Architectural Theory 1965-1995*. Princeton Architectural Press, 1996.
4. Charles Jenks & Karl Kropf, *Theories and Manifestos of Contemporary Architecture*. John Wiley and Sons, 1997.
5. Vitruvius. *The Ten Books on Architecture*, trans by M. H. Morgan. New York: Dover Publications, 1960.
6. D'Arcy Thompson, *On Growth and Form*. 1961.
7. Aaron Betsky & Erik Adigard, *Architecture Must Burn*. Gingko Press, 2000.
8. A+P Smithson. Irene Scalbert, *Towards a Formless Architecture: The House of the Future*, 1999.

ENAR802210
URBAN DESIGN THEORIES
3 CREDIT HOURS

Learning Objectives:

Students should be able to explain how planning built environment design have contribution in shaping better cities through urban design theory analysis, including traditional and contemporary, also analysis on how in certain situation urban design is formulated; questioning how urban design ideas could elevate physical character of built-environment and why the idea is expected to facilitate the enhancement of urban lifestyle in cities; to do social and spatial analysis from targeted environment; analysis and critic to perceptual and performative of urban design.

Syllabus:

Review to understanding of urban design. Historical research and discourses on the meaning “good city” through the view of theorists, for example: cosmological belief, formalist, fungsionalists, picturesque, organics, utopians, livability, ecological. Questioning “performance dimension” in urban design theories and understanding the relation between urban design and perceptual/visual/social dimension. After the students are introduced to theorists point of view, in this section they will explore various ways of interpreting and understanding urban environment. Discussion on how urban environment has different meaning to different people, based on their cultural, economy, race, and gender background. Short review on connection between urban design activity and politic-economy context from urban development process.

Prerequisites: Students have taken Advanced Architectural Theories.

References:

1. R. Legates, *The City Reader*, 2nd ed, Routledge, 1999
2. Henri Pirenne, *The Medieval Cities: Their Origins and the Revival of Trade*, Princeton University Press, 1969
3. Aristoteles, *The Politics* (especially Book III and Book VII), Penguin Classics, revised edition, 1981

ENAR802313
URBAN HOUSING AND SETTLEMENT THEORIES
3 CREDIT HOURS

Learning Objectives:

Students should be able to have critical understanding on urban housing and settlement in developing countries. Especially Indonesia; understanding on public and private policy affecting economy and housing development, especially local economy; Giving review and critic on strategy and policy to low-income or poor society in cities.

Syllabus:

Settlement and urban housing in Indonesia; group communication problem: knowledge-power-space; daily life of urban communities; urban architecture and also the habitus of various groups in society in urban; individual housing career, family in accessing housing facilities in cities; ‘slump’ urban settlement and social-economy and politic network; housing financing; housing policy: provider vs enabler, critical analysis on Indonesia as archipelago country in relation of settlement and development in coast area.

Prerequisites: Students have taken Advanced Architectural Theories.

References:

1. A T Alamsyah, *Regionisme dalam Penataan Permukiman di Gugus Pulau Mikro*, Disertasi, PSIL UI, 2006
2. P Bourdieu, *Outline of A Theory of Practice*, Cambridge University Press, 1977, pp. 72-95
3. Rod Burgess, *Petty Commodity Housing or Dweller Control?: A Critic of John Turner View on Housing Policy*, 1978
4. Michel De Certeau tr by Steven F. Rendall, *The Practice of Everyday Life*, University of California Press, 1984, pp. 29-42 and 91-110
5. M Foucault, ‘Space. Power and knowledge,’ S. During (ed.), *The Cultural Studies Reader Second Edition*, Routledge, 1999, pp. 134-41
6. A Giddens, *The Constitution of Society*, University of California Press, 1984, pp. 1-28

7. A Gilbert and Ann Varley, *Landlord and Tenant Housing the Poor in Urban Mexico*, Routledge, 1991, chapter 7&8
8. M Haan & Thomas Perks, 'The Housing Careers of Older Canadians: An Investigation Using Cycle 16 of the General Social Survey', *Canadian Studies in Population* Vol. 35.2, 2008, pp. 223-242
9. T Y Harjoko, *Penggunaan or Eviction in Jakarta: Solution Lacking of Resolution for Urban Kampung*, E-Proceedings, <http://coombs.anu.edu.au/SpecialProj/ASAA/biennial-conference/2004/Harjoko-T-ASAA2004.pdf>, 18.02.2013
10. M Heidegger tr by Albert Hofstadler, *Kerper & Row, Poetry, Language, Thought*, Publishing Inc., 1971, pp. 145-161
11. H L Kendig, 'Housing Careers, Life Cycle and Residential Mobility : Implications for the HousingMarket', *Urban Studies*, 1984, pp. 21, 271-283
12. Shilpa Ranade, "The Way She Moves, Mapping the Everyday Production of Gender and Space in Mumbai", *Economic and Political Weekly*, Vol. 42, No. 17, Apr. 28 - May 4 2007, pp. 1519-1526
13. B Sullivan & Ke Chen, 'Design for Tenant Fitout: A Critical Review of Public Housing Flat Design in Hong Kong', *Habitat Intl.* Vol 21. No 3, 1997, pp. 291-303
14. John F.C Turner, *Housing By People: Towards Autonomy in Building Environtments*, Marion Boyars Publishers Ltd, 2000, pp 53-74
15. K D Willis, *Squatter Settlements*, Elsevier Ltd, 2009

ENAR802416**PROPERTY THEORIES 1****3 CREDIT HOURS****Learning Objectives:**

This course is designed to develop students' insight and knowledge in: understanding roles that are related to real estate development with wide-range spatial environment aspect; mastering methods and ability to apply it to various things related to wider issue and problems in real estate.

Syllabus:

First section will elaborate the basics and concept of appraisal/valuation. Second section will cover the environment development issues that are connected to urban management. In the next sections, students will learn variety of issues related to environment development, which is fundamental construction, and cost and benefit analysis, which are risk management technique, funding resources and taxation, market and marketing, asset/property management. Learning is emphasized on understanding the rules and concept in Real Estate in urban context without neglecting method and technical calculation. Through the particular approach, students are expected to understand the development of Real Estate as a concept that could be used to help variety of problems that will be faced in workplace.

Prerequisites: Students have taken Advanced Architectural Theories.

References:

1. Michael Ball et.al, *The Economics of Commercial Property Markets*, Routledge, 1998
2. Sheman J Maisel, *Real Estate Investment and Finance*, McGraw-Hill, Inc., 1976
3. Hugh O. Nourse, *Managerial Real Estate Corporate Real Estate Asset Management*, Prentice Hall, 1990
4. Mark W. Patterson, *Real Estate Portfolios*, John Willey & Sons, Inc, 1995

ENAR802519**ARCHITECTURAL THEORY AND HISTORY****3 CREDIT HOURS****Learning Objectives:**

Students will be introduced to theories related to world historiography, and historical ideas to test theoretical and historical aspects in individual research.

Syllabus:

Phenomenology, semiology (structuralism, post-structuralism, deconstruction), modern and post-modern, colonialism and post-colonialism, Gender in Architecture

Prerequisites: Students have taken Advanced Architectural Theories.

References:

1. Andrew Ballantyne (ed.), *Architecture Theory, A Reader in Philosophy and Culture*, Continuum, 2005
2. Homi K Bhabha, *The Location of Culture*, Routledge, 1994
3. Iain Borden, Barbara Penner; Jane Rendell, (Eds), *Gender Space Architecture: An Interdisciplinary Introduction (Archi- text)*, Routledge, 2000
4. Zeynep Celik, *Displaying The Orient: Architecture of Islam at Nine-teenth-Century World's Fairs*, University of California Press, 1992
5. Guy Debord translated by Donald Nicholson Smith, *The Society of the Spectacle*, Black & Red, 2004
6. M. Foucault, *The Archeology of Knowl- edge*, Vintage, 1982, Parts II & III
7. Terence Hawke, *Structuralism and Semiotics*, Routledge, 1997
8. Steven Holl, Juhani Pallasmaa, Alberto Perez-Gomez, *Questions of Perception: Phenomenology of Architecture*, William K Stout Pub, 2007
9. Keith Jenkins, *Re-thinking History*, Routledge, 1991
10. Neil Leach (ed.), *Rethinking Architecture: A Reader in Cultural Theory*, Routledge, 1998
11. Edward Said, *Orientalism*, Penguin, 1977
12. Panayotis Tournikiotis, *The Historiography of Modern Architecture*, The MIT Press, 1999

ENAR802622

ARCHITECTURE AND SUSTAINABILITY THEORY

5 CREDIT HOURS

Learning Objectives:

Students should be able to explain building technology theory, especially in the field of material, structure, building/ environment safety.

Syllabus:

Structural material characteristics, building structure and robustness, sustainable development, ecology, building economy, advanced engineering, management aspect in building design and maintenance, energy conservation, law and regulation on built environment.

Prerequisites: Students have taken Advanced Architectural Theories.

References:

1. Edward Allen, *Fundamentals of Building Construction: Material and Methods*, John Wiley and Sons, 1999
2. James Ambrose, *Simplified Design of Masonry Structures*, John Wiley and Sons, 1992
3. Wolfgang Schuller, *High Rise Building Structure*, Krieger Publishing Co, 1986
4. Benjamin Stein, *Building Technology: Mechanical and Electrical Systems*, John Wiley and Sons, 1995
5. DS Barrie, *Professional Construction Management*, Mc.Graw-Hill, 1986
6. J.M Boschenski, *The Methods of Contem- porary Thought*, Herper and Row, 1968
7. Graham Haughton, et.al, *Sustainable Cities*, Cromwell Press, 1995
8. D. Chiras et.al, *Environmental Science: A Framework for Decision Making*, Cummings Publishing, 1985
9. Sears-Salinger, *Theormodynamics, Kinetic Theory and Statistical Thermodynamics*, Wesley, 1975

ENAR802108

ARCHITECTURAL DESIGN STUDIO 2

5 CREDIT HOURS

Learning Objectives:

Students should be able to develop the ability in creating space as architectural design concept that is defined individually in a specific design theme, which includes the consideration environment and sustainability.

Syllabus:

Exploration on design concept based on typology. Exploration on sustainable idea in various contexts. Urban space typology, building typology, program and site analysis. Theme and spatial ideas in ecological concept. Architectural

research: translating program in conceptual diagram, layout, circulation, space integration by sketches, architectural drawings, and models. Tectonic exploration: relation between tectonic theme and architectural typology which relates to design concept. Verbal and visual communication aspects.

Prerequisites: -

References:

1. Dominique Hes, Chrisna Du Plessis, *Designing for Hope: Pathways to Regenerative Sustainability*, Routledge, 2014
2. Danilo Palazzo, Frederick Steiner, *Urban Ecological Design: A Process for Regenerative Places*, Island Press, 2012
3. S. Hernandez, C. A. Brebbia, W. P. De Wilde, editors, *Eco-Architecture III: Harmonisation between Architecture and Nature*, WIT Press, 2010
4. Manuel Castells, *Space of Flows, Space of Places, Materials for a City of Urbanism in the Information Age.*, 2004
5. Jiat-Hwee Chang, *Tropical Variants of Sustainable Architecture: A Postcolonial Perspective,* in *The SAGE Handbook of Architectural Theory*, SAGE Publications, Ltd, 2012, pp 602-617
6. Fabiano Lemes de Oliveira, *Eco-cities: The Role of Networks of Green and Blue Spaces*_Cities for Smart Environmental and Energy Futures, part of the series Energy Systems, 2013, pp 165-178
7. Michael Lindfield and Florian Steinberg, *Green Cities*. Asian Development Bank (ADB) Urban Development Series, November 2012 _

ENAR802211
URBAN DESIGN STUDIO 2
5 CREDIT HOURS

Learning Objectives:

By taking the benefit of UI Depok campus location that is close to capital city, the main goal in the studio is to expand students' insight, understanding, knowledge, mastery to sustainable urban design principals, by taking case study in Jakarta and also Bodetabek. Students are encouraged to explore the complexity of city problems which are faced by Jakarta as megacity, in example density, urbanization, flood, energy, and climate change. In expectation, those issues will be able to spark students' creativity to provide innovative urban design that's also responsible scientifically, from the social aspects and also environment.

Syllabus:

As the continuity in Urban Design Studio 1, in this studio students are asked to do connectivity exploration on various aspects in urban design through re-design project in mixed-use area (commercial housing). Students are encouraged to re-design environment that are in the process of transition because of radical changes. Studio is organized with early premises that public space plays a significant role to create a comfortable city and life, but the design platform should also rely on user aspiration. The challenge in this studio is the position of urban design that has to give rewards and attention to other aspects in architectural way and also physical reality of a city. Other than that, in finishing urban design project, the students are challenged to make 'local character' as keyword.

Prerequisites: Students have taken Urban Design Studio 1

References:

1. Protzen, Jean-Pierre and Harris, David J., *Universe of Design: Horst Rittel's Theories of Design and Planning*, London and New York: Routledge (2010)
2. Rutz, Werner: *Cities and Towns in Indonesia*, Stuttgart: Gebruder Borntraeger (1987)
3. Ricky Burdett (Editor), Deyan Sudjic (Editor), 2010, *Living in the Endless City: The Urban Age Project by the London School of Economics and Deutsche Bank's*, Alfred Herrhausen Society, Phaidon Press
4. Ricky Burdett (Editor), Deyan Sudjic (Editor) 2008. *the Endless City*, Phaidon Press
5. Mohsen Mostafavi (Author), Gareth Doherty (Author), 2010, Harvard University Graduate, *Ecological Urbanism*, Lars Muller Publishers
6. Charles Montgomery (2014). *Happy City: Transforming Our Lives Through Urban Design*, Farrar Straus Giroux
7. Abeyasekere, S. (1987). *Jakarta: A History*, Oxford: Oxford University Press.

8. Certeau, M.D. (1984). *The Practice of Everyday Life*. Berkeley: University of California Press.
9. Silver, C. (2011). *Planning the Megacity: Jakarta in the Twentieth Century*. New York: Routledge
10. Tunas, D. (2008). *The Spatial Economy in the Urban Informal Settlement*. Netherland: International Forum on Urbanism

ENAR802314
URBAN HOUSING AND SETTLEMENT STUDIO 2
5 CREDIT HOURS

Learning Objectives:

Students will be faced to design solution of urban housing and settlement to low-income community with eco-architecture approach.

Syllabus:

Socio-economy problem exploration related to the complexity of housing provision for low-income urban community; housing planning and design based on ecological principal.

Prerequisites: Students have taken Urban Housing and Settlement Studio 1

References:

1. J M Bang, *Ecovillages: Practical Guide to Sustainable Communities*, New Society Publishers, 2005
2. J N Habraken, *Support: An Alternative to Mass Housing*, Prager Publishers, 1972
3. N Hamdi, *Housing Without Houses: Participation, Flexibility, Enablement*, Van Nostrand Reinhold, 1991
4. G Minke, *Building with Earth: Design and Technology of a Sustainable Architecture*, Publishers for Architecture, 2006
5. B Saini, 'Site Development and Sanitary Services', in H S Murison & J P Lea (eds.), *Housing in Third World Countries Perspectives on Policy and Practice*, The Macmillan Press, Ltd., 1979, pp 89-95
6. N Sheridan, 'Energy for the Built Environment', *op. cit.*, H S Murison & J P Lea, pp 100-110
7. Tokyo Student Session, *Sustainable Design Book*, The 2005 World Sustainable Building Conference in Tokyo, Student Session 23-29 September 2005, Tokyo, Japan
8. United Nations, *Guidebook on Biogas Development*, Energy Resource Development Series No. 21, 1980

ENAR802417
PROPERTY WORKSHOP 2
5 CREDIT HOURS

Learning Objectives:

Students should be able to learn the connection between urban architecture and real estate activity in a big-scale project that connected to urban management, role and also public and private sector in the urban area development, reposition, and revitalization, etc.

Syllabus:

(1) Private sector/commercial development project, development of area around 50 ha. Property product (enacted physical regulations). Project funding and buying scheme: e.g. mortgage. Developers' and region government's rights and obligations (developer: on site, off site, cash payment, etc. Region government: holiday tax, incentive, public facilities, etc.). Implementation plan (rights and obligations + development's time schedule) (2) The development of urban facilities that are related to property development (public-private development): investigation/exploration on a public project through recovery chances by putting in unsure property development as the development of educational area/science center, MRT/busway/tollway, which connected to property development along the path. The creation of public facilities.

Prerequisites: Students have taken Property Workshop 1

References: -



ENAR802520
HISTORY AND THEORY WORKSHOP 2
5 CREDIT HOURS

Learning Objectives:

Students should be able to master history research that related to representation and application/practice in architectural history.

Syllabus:

The representation of architecture: architecture as text; architecture as profession; architecture as film; architecture as identity (race and gender); architecture as memory; architecture and disaster; application of architectural history: teaching architectural history; exhibiting architecture; architecture on television/ radio; architectural journalism.

Prerequisites: Students have taken Advanced Architectural Theories.

References:

1. Nezar AlSayyad, *Cinematic Urbanism: A History of the Modern from Reel to Real*, Routledge, 2006
2. J. Bloomer, *Architecture and the Text: the (s)cripts of Joyce and Piranesi (Theoretical Perspectives in Architecture)*, Yale University Press, 1995
3. Iain Borden, Jane Rendell, *Intersections, Architectural Histories and Critical Theories*, Routledge, 2000
4. Iain Borden, et.al (eds.), *The Unknown Cities: Contesting Architecture and Social Space*, The MIT Press, 2001
5. Iain Borden, et al. *Strangely Familiar: Narratives of Architecture in the City*, Routledge, 1996
6. Mike Davis, *Ecology of Fear: Los Angeles and the Imagination of Disaster*, Metropolitan Books, 1998
7. Nan Ellin, *Architecture of Fear*, Princeton Architectural Press, 1997
8. Murray Fraser. 'Dreams about Cities: REM and Koolhaas,' *The Oxford Review of Architecture*, vol. 2, 1997, p:76.
9. Bell hooks. *Art on My Mind; Visual Politics*, The New Press, 1995
10. Michael Keith and Steve Pile, *Place and the Politics of*, Routledge, 1993
11. Naomi Kleine, *The Shock Doctrine: the Rise of Disaster Capitalism*, Metropolitan Books, 2008
12. R. Koolhaas and B. Mau, *S,M,L,XL*, Office for Metropolitan Architecture (O.M.A.), 1995
13. Spiro Kostof (ed.), *Architect*, Oxford University Press, 1977
14. Intan Paramaditha, 'City and Desire in Indonesian Cinema' in *Inter-Asia Cultural Studies: Runaway City/ Leftover Spaces*, vol. 12, no: 4, Routledge T&F, 2011, pp:500-512
15. A. Palladio tr by: Robert Tavernor & Richard Schofield, *The Four Books on Architecture*, MIT Press, 1997
16. Leonie Sandercock (ed.), *Making the Invisible Visible, A Multicultural Planning History*, University of California Press, 1998
17. Moira G Simpson. *Making Representations Museum in the Post colonial Era*, Routledge, 1996
18. R. Venturi, *Complexity and Contradiction in Architecture*, The Museum of Modern Art, 1966

ENAR802623
ARCHITECTURE AND SUSTAINABILITY WORKSHOP 2
5 CREDIT HOURS

Learning Objectives:

Students should be able to develop and apply building technology theory in a small-scale research project.

Syllabus:

Ecological aspect in technology utilization, material utilization affects to building safety, economy aspect in technology utilization, resources engineering, resources technology management in building/design, the effects of technology utilization in design to project management, energy efficiency measurement in design, the effects of law and regulation in technology utilization.

Prerequisites: Students have taken Architecture and Sustainability Workshop 1

References:

1. James Cowan, *Architectural Accoustics: Design Guide*, McGraw-Hill, 2000
2. Frei Otto, *Tensile Structure*, MIT Press, 1997
3. Harold J. Rosen, *The Professional Practice of Architectural Detailing*, John Wiley & Sons, 1999
4. Soeryani Moh ed, *Lingkungan: Sumberdaya Alam dan Kependudukan dalam Pembangunan*, UI Press, 1987
5. Finatya Legoh dan Siti Handjarinto, *Buku Ajar Akustik*, 2002
6. Ganijanti AS, *Mekanika*, Penerbit Salemba Teknik, 2000

ENAR800003
PRE-THESIS
3 CREDIT HOURS

Learning Objectives:

Students should be able to produce a research proposal (for research thesis) or design proposal (for design thesis) which comprises of minimum 4.000 words. Students who choose research thesis should provide a research proposal which contains findings from theoretical analysis which shows the mastery level in the investigation of issues, formulates preposition and develops research methods. Students who choose design thesis should produce a design proposal that contains theoretical analysis that shows mastery level in designing, and proposes a design statement that is ready to be followed-up and developed through design process.

Syllabus:

Formulation of research question and issues; theoretical analysis through relevant literature research; development of method to respond to design issues or to respond to research questions.

Pre-requisites:

Students have passed Advanced Design and Research Methods with minimum score B.

References:

1. I. Borden and K. Ruedi, *The Dissertation: An Architecture Students' Handbook*, Oxford University Press, 2000
2. T. Y. Hardjoko, *Panduan Meneliti dan Menulis Ilmiah*, Departemen Arsitektur Universitas Indonesia, 2005
3. L. Groat & D. Wang, *Architectural Research Methods*, John Wiley and Sons, 2002
4. F. Crews, *The Random House Handbook*, 3rd ed, Random House, 1980

ENAR800004
SCIENTIFIC PUBLICATIONS
2 CREDIT HOURS

Learning Objectives:

Students should be able to produce scientific papers or research with decent quality for being published at dissemination forum in the national or international level.

Syllabus:

The principles of scientific writing; various modes of scientific writing; strategy for formulating the argument in the scientific literature that explicitly indicates the position of the existing knowledge; procedure of publication in national/international seminars/conferences; procedures of publications in international journals; review of articles in internationally reputable journals that are related to the fields of architecture

Pre-requisites:

Students have taken Advanced Design and Research Methods.

References:

1. I. Borden and K. Ruedi, *The Dissertation: An Architecture Students' Handbook*, Oxford University Press, 2000
2. T. Y. Hardjoko, *Panduan Meneliti dan Menulis Ilmiah*, Departemen Arsitektur Universitas Indonesia, 2005
3. L. Groat & D. Wang, *Architectural Research Methods*, John Wiley and Sons, 2002
4. N. Gough, *Blank Spots, Blind Spots, and Methodological Questions in Postgraduate Research*, 2002

ENAR800005
THESIS
8 CREDIT HOURS

Learning Objectives:

Students should be able identify, study, and communicate issues in a specific research area which relates to architecture. Able to develop advanced mastery in reading, research, and write a thesis. For thesis research section: provide a thesis not more than 20.000 words. For design thesis section: provide the design as well as thesis not more than 10.000 words and design portfolio that gives the whole picture on design research process.

Syllabus:

Defining issue to respond, research questions which are clearly formulated, and the objectives of the research. Theoretical based, strategy for choosing methods, investigation of facts and synthesis of materials which lead to the responses to research questions and the conclusion.

Pre-requisites: Students have passed Pre-Thesis.

References:

1. I. Borden and K. Ruedi, *The Dissertation: An Architecture Students' Handbook*, Oxford University Press, 2000
2. T. Y. Hardjoko, *Panduan Meneliti dan Menulis Ilmiah*, Departemen Arsitektur Universitas Indonesia, 2005
3. L. Groat & D. Wang, *Architectural Research Methods*, John Wiley and Sons, 2002
4. F. Crews, *The Random House Handbook*, 3rd ed, Random House, 1980

COURSE DESCRIPTION (ELECTIVES)

ENAR800524
ETHNIC ARCHITECTURE
3 CREDITS

Learning Objectives:

Student should be able to understand various aspects of architecture which arise from ethnic groups' traditions in order to explain and analyse elements and principles of architecture from particular ethnic group; able to comprehend the phenomena of ethnic architecture in general and to analyze architecture tradition of particular ethnic group.

Syllabus:

Understanding of principles and elements of ethnic architecture, forming factors, symbolic classification, cosmological view and worldview, space, place, time, meaning, anthropomorphic, building process.

Prerequisites: -

References:

1. Amos Rapoport, *House Form and Culture*, Englewood Cliffs, 1960
2. N. Egender, *Architectural Anthropology*, Structura Mundi, 1996
3. Roxanna Waterson, *The Living House: An Anthropology of Architecture in Southeast Asia*, Oxford University Press, 1990
4. E. Guidoni, *Primitive Architecture*, Harry N. Abrams, 1978
5. Paul Oliver (ed.), *Sign, Symbol, and Shelter*, The Overlook Press, 1977
6. J. Fox (ed.), *Inside Austronesian House*, The Australian National University, 1993
7. Djauhari Sumintardja, *Kompendium Arsitektur*. Yayasan Lembaga Masalah Bangunan, 1978
8. Bourdier & N.ALSayyad (eds), *Tradition, Dwellings and Settlements: Cross-cultural Perspectives*, University Press of America, 1989

ENAR800525

ARCHITECTURE AND CINEMATIC SPACE

3 CREDITS

Learning Objectives:

Students should be able to demonstrate knowledge of modernity and post modernity urban history through the cinematic lens. Based on Indonesian context, this course also reviewing how student read and understand cities, focused on culture, society, and urban space represented on Indonesian cinema today and on 1965-1998. By considering how the real and reel city confess to each other on mutual representation practice, this course discuss about history and cinematic space interpretation through space and time, by the way of movies that represented different modernity.

Syllabus:

Modernity, Post Modernity, Globalization: The traditional small town; the industrial modern city; modernist dystopias, cynical modernity; postmodern city themes; postmodern dystopia; the voyeuristic city; the city through different eyes; social class ; the contested city/alternative modernity (race, ethnicity and urban experience); the anti city: nostalgic imaginaries; culture, passion and piety.

Prasyarat: -**References:**

1. Louis Wirth, "Urbanism as a Way of Life", in *American Journal of Sociology*, 1938, pp. 38-83
2. Georg Simmel, "The Metropolis and Mental Life", in N. Leach, ed, *Rethinking Architecture*, New York: Routledge, pp.68-79
3. John Berger, *Ways of Seeing*, London: Penguin Books, 1977.
4. S. Watson and Gibson (eds). *Postmodern Cities and Spaces*. Cambridge: Basil Blackwell, 1995.
5. Aihwa Ong & Ananya Roy, *Worlding Cities: Asian Experiment and the Art of Being Global*, Routledge.
6. Alan Marcus, Dietrich Neumann (eds), *Visualizing the City (Architext)*, Routledge, 2008
7. Wolfgang Natter, "The City as Cinematic Space: Modernism and Place in Berlin, Symphony of a City" in S. Aitken and P Zonn (eds). *Place, Power and Spectacle*. London: Rowman and Littlefield Publishers, 1994, pp.203-227.
8. Scott Bukatman, *Terminal Identity: The Virtual Subject in Post-Modern Science Fiction*, Durham: Duke University Press, 1993.
9. J. Rutherford (ed). *Identity: Community, Culture, Difference*. London: Lawrence & Wishart. 1990.
10. Nezar AlSayyad, *Consuming Tradition, Manufacturing Heritage*. London: Routledge, 2001.
11. A. King (ed). *Culture, Globalization and the World System*. London: Macmillan. 1991
12. Dietrich Neumann, *Film Architecture: From Metropolis to Blade Runner*, Prestel Publishing, 1999.
13. Nezar AlSayyad, "The Cinematic City: Between Modernist Utopia and Postmodernist Dystopia" in *Built Environment* 26:4, 2000, pp.268-281.
14. Nezar AlSayyad, *Cinematic Urbanism: A History of the Modern from Reel to Real*. Routledge, 2006.
15. Katherine Shonfield, *Walls Have Feelings: Architecture, Film and the City*, London: Routledge, 2000.
16. D. Clarke (ed). *The Cinematic City*, London: Routledge, 1997.
17. F. Penz and T Thomas (eds). *Cinema and Architecture*, London: British Film Institute. 1997.
18. M. Lamster (ed). *Architecture and Film*, New York: Princeton Architectural Press, 2000.
19. M. Shiel and T. Fitzmaurice (eds), *Cinema and the City*, Oxford: Blackwell, 2001.
20. Gabriel, Teshome. *Third Cinema in the Third World: An Aesthetic Liberation*, Ann Arbor, MI: University of Michigan Press, 1983.
21. Martin Roberts, *Cinema and Nation*, London: Routledge, 2000
22. Philip Kitley, *Television, Nation and Culture in Indonesia*, Athens, OG: Ohio University Center for International Studies, 2000
23. Intan Paramadina, "City and Desire in Indonesian Cinema," *Inter-Asia Cultural Studies: Runaway Cities/Left-over Spaces*, Volume 12, Number 4, 2011
24. Ariel Heryanto, *Identity and Pleasure: The Politics of Indonesian Screen Culture*, Singapore: NUS Press, 2014
25. Krishna Sen, *Indonesian Cinema Framing New Order*, London: Zed Books, 1994
26. Bell Hooks, *Reel to Real: Race, Gender and Class at the Movies*, Routledge Classics, 2012
27. **Films selection (among others):** Cinema Paradiso; It's a Wonderful Life; Berlin: Symphony of a City; Modern Times; Metropolis; Brazil; End of Violence; Rear Window; Manhattan; Taxi Driver; Blade Runner; Do the Right

Thing; My Beautiful Launderette; The Truman Show; Los Angeles Plays Itself; Drakula Mantu (1974); Jakarta Jakarta (1978); Pengemis dan Tukang Becak (1978); Matahari-Matahari (1985); Daun di Atas Bantal (1998); *Cul-de-Sac* (1998); Eliana, Eliana (2002); Arisan! (2003); Mengejar Matahari (2004); Rindu Kami Padamu (2004); Berbagi Suami (2006); Naga Bonar Jadi Dua (2007); Ayat-Ayat Cinta (2008); Perempuan Berkalung Sorban (2009); and related films as needed.

ENAR800526
ARCHITECTURE AND TEXT
3 CREDITS

Learning Objectives:

Students should be able to understand architecture as a text based on the connection between text and its context.

Syllabus:

“*Il n’y a pas de hors-texte*” (there is nothing outside the text) - Jacques Derrida. Text are often be understood as a written communication, but in this course, text are is not limited to the written words. For example face expressions, traffic signs and paintings are also text. “Text”, the word which has connection with the word “Texture” and “Context” coming from the latin word *texere*, which means knit. As an introduction to the architecture as a text, this course gives us knowledge, how to read architectural work as text, how to read architecture as knitting between architectural work and its architect experience, society condition, etc.

Prerequisites: -

References:

1. Roland Barthes, *Mythologies*, Vintage Classics, 2000
2. John D Caputo (ed.), *Deconstruction in a Nutshell: a Conversation with Jacques Derrida*, Fordham University Press, 1997
3. Umberto Eco, *A Theory of Semiotics*, Indiana University Press, 1976
4. Joel Gilberthorpe, *What is a Text?: on the Limits of a Text as an Object of Knowledge* (http://www.arts.mq.edu.au/documents/NEO_Article_5_2009_Joel_Gilberthorpe.pdf)

ENAR800327
COASTAL ARCHIECTURE
3 CREDITS

Learning Objectives:

Student should be able to understand the relationship between spatial temporal, cultural, and eco-athropomorphic systems changes in coastal areas. Such understanding would contribute to awareness to integrate eco-anthroposystem ideas into architectural design in coastal areas; Student should be able to systematically express their own understanding and awarenees of design issues in coastal context.

Syllabus:

Water and architecture, basic understanding and knowledge of coastal area, continental area, sea, archipelago, spatial-temporal-cultural aspects, coastal eco-anthroposystem, the effect of island-sea interactions to coastal living-livelihood, spatial planning, facilities and architecture of coastal areas, the dynamics of dwelling and dwelling form in Indonesian coastal areas, climate change and disaster risk in Indonesian coastal area, spatial-temporal-cultural changes and eco-anthroposystem in certain Indonesian coastal area, the role of architects in coastal spatial planning and the future of coastal architecture.

Prerequisites: Students have taken Design Theories & Methods in Architecture

References:

1. Abimanyu Takdir Alamsyah, *Regionisme dalam Penataan Permukiman di Gugus Pulau Mikro*, unpublished doctoral dissertation, PSIL Universitas Indonesia, 2006
2. Abimanyu Takdir Alamsyah, *Menata Permukiman Pulau-Laut, Mempertahankan Keberlanjutan Bertanahair Kepulauan*, Pidato pengukuhan Guru Besar Universitas Indonesia. Depok, 2009

3. Michael R. Bloomberg and Amanda M. Burden, *Urban Waterfront Adaptive Strategies in Waterfront Vision & Enhancement Strategy*, NYC Planning, 2013
4. Subandono Diposaptono and Budiman, *Tsunami*, Penerbit Buku Ilmiah Populer, 2006
5. Charles Moore and Jane Lidz, *Water + Architecture*, Thames and Hudson Ltd, 1994
1. Malcolm Newson, *Land, Water and Development: River Basin Systems and their Sustainable Development*, Routledge, 1992
2. Koen Olthuis and David Keuning, *Float!. Building on Water to Combat Urban Congestion and Climate Change*, Frame Publishers, 2010
3. Djoko Pramono, *Budaya Bahari*, Gramedia Pustaka Utama, 2005
4. Alan P. Trujillo and Harold V. Thurman, *Essentials of Oceanography, Ninth Edition*, Pearson Education Ltd, 2008
5. Heather Vies and Tom Spencer, *Coastal Problems: Geomorphology, Ecology and Society at the Coast*, Edward Arnold, 1995
6. Ary Wahyono, AR Patji, SS Laksono, R. Indrawasih, Sudiyono dan Surmiati Ali, *Hak Ulayat Laut di Kawasan Indonesia Timur*, Media Presindo Yogyakarta, 2000

ENAR800228

ARCHITECTURE, CITY AND POWER

3 CREDITS

Learning Objectives:

Student should be able to understand the role of architecture, planning and design within and between urban contexts; should be able to improve their understanding on the relationship between built environmental design and power; should be able to increase awareness of the intertwining relationship between architecture, social aspects, political aspects, economy, and culture; should be able to understand that built environment is conceived out of, and would yield particular power relation amongst the users in a specific context.

Syllabus:

The role of architecture and planning in the broader context. The relationship between design and power. Syllabus is prepared according to the themes related to the aforementioned relationship, which includes the following themes: Architecture and consumption, poverty and inequality; informality, disasters, theme parks/leisure, space of colonial/post-colonial/nation/globalization/neoliberalism; spatial enclaves/zone/segregation based on gender, race and ethnicity, social class, religion, spatial justice; housing and infrastructure.

Prerequisites: -**References:**

1. Benedict Anderson, *Language and Power: Exploring Political Culture in Indonesia*, Ithaca: Cornell University Press, 1990 (esp. chapter "The Idea of Power in Javanese Culture")
2. James D Faubion, *Michel Foucault: Power, Essential Works of Foucault 1954-1984*, New York: The New Press, 1997
3. Kim Dovey, *Framing Spaces: Mediating Power in Built Form*, New York: Routledge, 1999
4. Lawrence Vale, *Architecture, Power and National Identity*, Routledge, 2002 (2nd ed)
5. Abidin Kusno, *Behind the Postcolonial: Architecture, Urban Space and Political Culture in Indonesia*, Routledge, 2000
6. Abidin Kusno, *After the New Order: Space, Politics and Jakarta*, University of Hawaii Press, 2013
7. Brenda S.A Yeoh, *Contesting Space in Colonial Singapore: Power Relations and the Urban Built Environment*, Singapore University Press, 2003
8. Nezar AlSayyad (ed), *Forms of Dominance: On the Architecture and Urbanism of Colonial Enterprise*, Avebury, 1992
9. Gwendolyn Wright, *The Politics of Design in French Colonial Urbanism*, Chicago: The University of Chicago Press, 1991
10. David Harvey, *Spaces of Hope*, University of California Press, 2000
11. James C. Scott, *Seeing Like a State: How Certain Schemes to Improve the Human Condition Have Failed*, Yale University Press, 1998
12. James Holston, *The Modernist City: an Anthropological Critique of Brasilia*, The University of Chicago Press, 1989

13. Janice E. Perlman, *Favela: Four Decades of Living on the Edge in Rio de Janeiro*, Oxford University Press, 2010
14. Mike Davis, *Evil Paradise: Dreamworlds of Neoliberalism*, The New Press, New York, 2007
15. Nezar AlSayyad & Ananya Roy, *Urban Informality: Transnational Perspectives from the Middle East, Latin America and South Asia*, New York: Lexington Book, 2004
16. Rafi Segal and Eyal Weizman, *Civilian Occupation: the Politics of Israeli Architecture*, Babel and Verso, 2003
17. Teresa Caldeira, *City of Wall*, University of California Press, 2000
18. Don Mitchell, *The Right to the City: Social Justice and the Fight for Public Space*, The Guildford Press, 2003
19. Edward S. Popko, *Transition: A Photographic Documentation of a Squatter Settlement*, McGraw-Hill, 1978
20. Justin Mc Guirk, *Radical Cities: Across Latin America in Search of New Architecture*, London: Verso, 2014
21. David Harvey, *Rebel Cities: From The Right to The City to The Urban Revolution*, London: Verso, 2012
22. Marshall Berman, *All That is Solid Melt into Air: The Experience of Modernity*, New York: Penguin Books, 1982
23. Leopold Lambert, *Weaponized Architecture: The Impossibility of Innocence*, DPR-Barcelona, 2013
24. Andy Merrifield, *Metromarxism: A Marxist Tale of the City*, New York: Routledge, 2001
25. Nezar AlSayyad & Mejgan Massoumi (eds), *Fundamentalist City? Religiousity and the Remaking of Urban Space*, London: Routledge, 2011
26. Edward W. Soja, *Seeking Spatial Justice*, University of Minnesota Press, 2010
27. Faranak Mirahtab & Neema Kudva (eds), *Cities of the Global South Reader*, Routledge, 2015
28. Etienne Turpin, et.al, *Jakarta: Architecture & Adaptation*, Jakarta: Universitas Indonesia Press, 2013 (esp. chapters Introduction and sections on interviews)
29. AbdouMaliq Simone, *Jakarta Drawing the City Near*, University of Minnesota Press, 2014
30. and various movies related to themes and learning objectives

ENAR800529**HERITAGE ARCHITECTURE****3 CREDITS****Learning Objectives:**

Student should be able to understand the definition and issues in heritage and conservation of architecture from the past, in particular heritage building and heritage site.

Syllabus:

Introduction to heritage architecture, including tangible and intangible aspects, Outstanding Universal Value from heritage building and heritage site. Discussion on critical issues related to heritage in architecture and city. Introduction to conservation strategies including data collection, documentation, planning, protection, development and reuse of heritage building and heritage site. Discussion on precedents of conservation in Indonesia.

Prerequisites: -**References:**

1. Bernard M Feilden, *Conservation of Historic Building*, Butterworth-Heinemann Ltd, 1994
2. *Pengantar Panduan Konservasi Bangunan Bersejarah Masa Kolonial*, Pusat Dokumentasi Arsitektur dan Badan Pelestarian Pusaka Indonesia, 2011
3. Undang-undang Republik Indonesia Nomor 11 Tahun 2010 tentang Cagar Budaya
4. Peraturan Daerah Daerah Khusus Ibukota Jakarta Nomor 9 Tahun 1999 Tentang Pelestarian dan Pemanfaatan Lingkungan dan Bangunan Cagar Budaya
5. Amorim, Luiz et. Al. 'Preserving Space'. *Proceedings 6th International Space Syntax Symposium, Istanbul*, 2007 pp. 032-01 - 032-14.
6. Jean-Paul Corten et.al, *Heritage As An Asset for Inner-City Development: An Urban Manager's Guide Book*, Ammersfoort: Cultural Heritage Agency, nai010 Publishers, 2015
7. Fernando Diez, 'Heritage', dalam Cairns, Stephen, Crysler, Greig C., Heyne, Hilde. *The SAGE Handbook of Architectural Theory*. SAGE Publications, 2012, pp 274 - 86.
8. Peter J. Larkham, 'Conflict and Conservation' in *Conservation and the City*, Routledge, 1996, pp 3 - 30.
9. Adolf SJ Heuken, *Tempat-tempat Bersejarah di Jakarta*, Cipta Loka Caraka, 1997



**ENAR800630
ENERGY-SAVING BUILDING
3 CREDITS****Learning Objectives:**

Students should be understand the principle of energy-saving building technology and apply it on design.

Syllabus:

Renewable energy, site and climate, sun geometry, passive cooling, shading, natural & artificial lighting and solar cell.

Prerequisites: -**References:**

1. Donal Watson, *The Energy Design Handbook*, The American Institute of Architecture Press, 1993
2. Klaus Daniels, *The Technology of Ecological Building*, English translation by Elizabeth Schwaiger, Birkshauser Verlag, Berlin 1994
3. Norbert Lechner, *Heating Cooling Lighting*, Edisi kedua, terjemahan, PT Raja Grafindo Persada, 2007

**ENAR800131
COMPUTATIONAL DESIGN AND PARAMETRIC MODELLING
3 CREDITS****Learning Objectives:**

Students should be able to use computation media as part of design process, using parametric and computer programming approach.

Syllabus:

Introduction to computation design tools, parametric approach, algorithmic architectura, and scripting software.

Prerequisites: Students have basic knowledge of NURBS and CAD modelling

References:

1. B Kolarevic, *Architecture in The Digital Age: Design and Manufacturing*, Spon Press, 2003
2. Mode Lab, n.d, *Foundations: Grasshopper Primer* Third Edition.
3. K Terzidis, *Algorithmic Architecture*, Routledge, 2006
4. R Oxman and R Oxman, *Theories of the Digital in Architecture*, Routledge, 2014

**ENAR800632
HIGH RISE BUILDING FACADE
3 CREDITS****Learning Objectives:**

Student should be able to master the principles of high rise building façade including aesthetics, technical, and environmental aspects.

Syllabus:

The essence of building façade of high rise building (resistance to earth quakes, lateral force/wind and water resistance); Façade design; Material and technology for façade detailing; Green façade.

Prerequisites: -**References:**

1. Wolfgang Schueller, *Struktur Bangunan Bertingkat Tinggi*, PT Eresco, 1989
2. Mario Camp, *Skycrapers: An Architectural Type of Modern Urbanism*, Birkhauser, 2000

3. Hart, Henn, and Sontag, *Multi-Storey Buildings in Steel*, Granada Publishing, 1978
4. *Details in Architecture*
5. The Images Publishing Group, *Creative Detailing by Some of The World's Leading Architects*, The Images Publishing Group Pty Ltd, 2004

ENAR800133**GEOMETRY AND ARCHITECTURE****3 CREDITS****Learning Objectives:**

Student should be able to understand the role of geometry as a basis of architectural form; should be able to explore various possible uses of geometry as the critical tools of analysis of existing architectural works and in the process of generating architectural design works.

Syllabus:

Development of knowledge on geometry and its implication for the development of architectural ideas and creativity; geometry and classical aesthetics of architecture; Euclidean and non Euclidean geometry in architecture; geometry and the concept of ideal city; geometry, music, and architecture; geometry and perception; topology in architecture; geometry in nature; exploration of the mechanism of geometry in shaping a design work and its potential for further development.

Prerequisites: -**References:**

1. Vitruvius, *Ten Books on Architecture*, Dover Publications, 1960
2. Colin Rowe, *Mathematics of an Ideal Villa*, MIT Press, 1976
3. Peter Davidson & Donald L. Bates, *Architecture after Geometry*, Architectural Design, 1999
4. Irene Scalbert, Archis, *Towards a Formless Architecture: The House of the Future by A+P Smithson*, Archis, 1999
5. D'Arcy Thompson, *On Growth and Form*, Dover Publications, 1992
6. Jane Jacobs, *The Death and Life of Great American Cities*, RandomHouse, 1961
7. Elizabeth Martin, *Architecture as a Translation of Music in Pamphlet Architecture 16*, Princeton Architectural Press, 1994

ENAR800334**HOUSING POLICY****3 CREDITS****Learning Objectives:**

Students should be able to understand that housing policy is a concept to manage housing sector in a country. Scope of housing policy: understanding, purpose, characteristic, motive, scope and implementation. Also, the relation to politic, social, economy, culture and environment and its impact to housings management.

Syllabus:

Indonesia as an archipelagic country: developing country, economic disparity and urban formation; Urbanization, migration: Indonesia demographic characteristic; constitution of society; Housing demand & supply (formal & informal sectors); Politics of the state and housing policy: Typology of housing provision in Indonesia (legal aspect; mode of consumption; mode of production); Housing economy and finance; Land policy; Housing technology; Housing policy in Asian countries

Prerequisites: -**References:**

1. H Arendt, *The Human Condition*, The University of Chicago Press, 1958, pp. 7-17
2. M Heidegger tr by Albert Hofstadler, Kerper & Row, *Poetry, Language, Thought*, Publishing Inc., 1971, pp. 145-161

3. M Foucault, S. During (ed.), *'Space. Power and knowledge'*, The Cultural Studies Reader Second Edition, Routledge, 1999: 134-41
4. Henri Lefebvre translated by Donald Nicholson-Smith, *The Production of Space*, Blackwell, 1991, Chapter 1, pp. 26-52
5. P Bourdieu, *Outline of A Theory of Practice*, Cambridge University Press, 1977, pp. 72-95
6. M De Certeau tr by Steven F. Rendall, *The Practice of Everyday Life*, University of California Press, 1984, pp. 29-42 and 91-110
7. Kendig Hal L, *'Housing Careers, Life Cycle and Residential Mobility : Implications for the HousingMarket'*, Urban Studies, 1984, 21, 271-283
8. Michael Haan & Thomas Perks. *'The Housing Careers of Older Canadians: An Investigation Using Cycle 16 of the General Social Survey'*. Canadian Studies in Population Vol. 35.2, 2008, pp. 223-242
9. K. D. Willis, *Squatter Settlements*, Elsevier Ltd, 2009
10. Brian Sullivan & Ke Chen. *'Design for Tenant Fitout: A Critical Review of Public Housing Flat Design in Hong Kong'*. Habitat Intl. Vol 21. No 3, 1997, pp. 291-303
11. Leland Blank and Anthony Tarquin. *Engineering Economy: Seventh Edition*, McGraw Hills, 2012
12. B Harsman & J Quigley, *Housing Markets & Housing Institutions in a Comparative Perspective". Housing Markets & Housing Institutions*, Kluwer Academic, 1991, pp.1-29
13. Fashbir N Sidin, *Housing Policy Systems in South and East Asia*, Palgrave Macmillan, 2002, pp.161-176
14. John F.C Turner and Robert Fichter, *Freedom to Build*, Collier Mcmillan, 1972
15. John F.C Turner, *Housing By People: Towards Autonomy in Building Environtments*, The Value of Housing, 1976, pp. 53-74.
16. A T Alamsyah, Menata permukiman Pulau-Laut. Pidato Pengukuhan Guru Besar UI, 2008
17. Mayor Michael R Bloomberg and Amanda M.Burden, *Coastal climate resilience, Urban waterfront adaptive strategies*, Department of City Planning, 2013
18. A T Alamsyah, Regionisme dalam Penataan Permukiman di Gugus Pulau Mikro, Disertasi, PSIL UI, 2006
19. Diposaptono, Subandono, Budiman, Hidup Akrab dengan Gempa dan Tsunami, Penerbit Buku Ilmiah Populer, 2008

ENAR800135**EVERYDAY AND ARCHITECTURE****3 CREDITS****Learning Objectives:**

Student should be able to understand the existence of everyday phenomena as an approach to architecture; should be able to define the position of architecture discipline in responding to various phenomena of everyday living space.

Syllabus:

Understanding and historical background of the concept of the 'everyday' in architecture; domestic space; aesthetic in architecture and the 'everyday', the concept of an ideal city and its relation to the 'everyday'; cyber space and virtual space; the phenomenon of the 'everyday' in urban space: a participatory approach in architecture.

Prerequisites: -**References:**

1. Steven Harris & Deborah Berke (eds.), *Architecture of the Everyday*, Princeton Architectural Press, 1997
2. Sarah Wigglesworth & Jeremy Till (eds.), *The Everyday and Architecture*, Architectural Design, 1998
3. Michel de Certeau, *The Practice of Everyday Life*, University of California Press, 1998
4. Malcolm Miles, *The Uses of Decoration: Essays in the Architectural Everyday*, Wiley, 2000
5. Jonathan Hill (ed), *Occupying Architecture*, Routledge, 1998
6. Margaret Crawford, et.al, *Everyday Urbanism*, Monacelli, 1999, Arnstein, *Ladder of Citizen Participation*, 1969

ENAR800636**PROJECT MANAGEMENT****3 CREDITS**

Learning Objectives:

Student should be able to develop knowledge about project management and process in design and built environment, particularly administration of technical aspects and building economy from early stage of the project, design, construction, to the the end of the project; should be able to analyze the content of project management documents, building regulation and standard; should be able to create proposal, TOR, auction document, design administration, construction administration, or Project Manual of construction service in small scale project, including working with real client.

Syllabus:

As a product, project management is record of series of project activities as a holistic process, including as a working guide, coordination tools, and as a control for a project. As a process, project management is series of activities that produce responsibilities toward the quantity of records of the whole stages of project management, in one multidiscipline function. This subject introduces the skills required to manage project along its stages through chronological model.

Prerequisites: -**References:**

1. PMI, *A Guide to Project Management Body of Knowledge (PMBOK Guides) 3 ed*, Project Management Institute, 2004
2. J.M Amos and B.R Sarchet, *Management for Engineers*, Prentice-Hall Inc,
3. D Sbarrie, *Professional Construction Management*, McGraw-Hill, 1986
4. D Cadman and L Austin-Crowe, *Property Development*, EF & N Spon, 1978

ENAR800337**UNDERSTANDING PHENOMENON: PLATO TO DERRIDA****3 CREDITS****Learning Objectives:**

Students should have knowledge about architecture philosophy, especially the differences of knowledge and empirical verification, and metaphysics explanation to understand architecture. Students also should be able to demonstrate critical thinking of each architectural phenomenon observation.

Syllabus:

Shapes and forms of physic and metaphysic, ontological understanding about 'what' and 'whatness' of architectural shape from empiric and metaphysic, Plato and Khora. Husserl phenomenon and phemnomenology (essentialism) and Heidegger (existentialism), semiotic sign, myth, simulacra and deconstruction, Knowledge-Power

Prerequisites: -**References:**

1. R Barthes tr by Annette Lavers, *Mythologies*, Hill and Wang, 1972
2. J D Caputo (ed.), *Decosntruction in a Nutshell: Conversation with Derrida*, Fordham University Press, 1997
3. G Deleuze tr by Paul Patton, *Difference and Repetition*, Columbia University Press, 1994
4. J Derrida edited by Thomas Dutoit, *On The Name*, Edited by Thomas Dutoit. Stanford University Press, Stanford, 1993, chapter about *Khōra*
5. J Derrida tr by Gayatri Spivak, *Of Grammatology*, The John Hopkins University Press, 1974, *Translator's Note* by G. Spivak
6. M Heidegger, *Language, Poetry and Thinking*, Perennial Classic, 1971, chapter: *Dwelling, Building and Thinking*.
7. D Moran, *Introduction to Phenomenology*, Routledge, 2000
8. R H Popkin and Avrum Stroll, *Philosophy Made Simple*, Doubleday Compay, Inc., 1956

ENAR800238**CITY PLANNING****3 CREDITS**

Learning Objectives:

Student should be able to understand history and theory of urban planning through historical survey and/or through key themes; should be able to understand (1) how urban space works (based on historical context) based on spatial planning research; (2) key paradigms in urban planning thinking. This subject is arranged around principle that history of urban planning is a theory of urban planning that is bounded by planning ethics.

Syllabus:

Syllabus is arranged following a chronological order that is divided by 5 sections: (1) reflection towards design ideas, origin and design practice; industrial city and housing question; spatial order exploration; (2) Modernist City; Colonial and Post-Colonial experiments; (3) Sub-urban dream (legacy of American city planning); from ghetto to city role model (racial and ethnic control); (4) City and citizenship in different historical moments; spatial rules and arrangements (basic rules of design); urban crisis, urban management, and business city; building a world class city in global south; (5) compatible theories in design and justice; see design over neo-liberalism: paradigm occurs in planning.

As an alternative, syllabus could also interrupt this chronological order and arrange as a survey class that arrange these materials in key themes, such as: Empire; Colonial/Post-colonial; Modernity and Alternatives; Pacific Rim Capitalism Transnational Urbanism; Race/Ethnic, Planning and Real Estate; City and Village; Marginality; Re-building A City; Entrepreneur City; Dystopia Planning and Post-city.

Prerequisites: -

References:

1. Selected articles from *Journal of Planning Theory & Practices*; *Cities, Space & Polity*, *International Journal on Urban Regional Research*; *Journal of Planning Education and Research*; *Journal of Urban Studies*; *Journal of Urban Forum*; *Journal of Urban History, Environment and Urbanization*; *Antipode*; *Journal of Planning Literature*
2. Paul H. Gleye, "City Planning versus Urban Planning: Resolving Profession's Bifurcated Heritage," in *Journal of Planning Literature*, 2015, Vol 30(1), 3-17.
3. John Friedmann. *Planning in the Public Domain: From Knowledge to Action*, 1987
4. Peter Hall, *Cities of Tomorrow: An Intellectual History of Urban Planning and Design in the Twentieth Century*, Blackwell Publishing, 2002 (3rd ed)
5. Friedrich Engels, *The Housing Question*, Lawrence and Wishart, Ltd, 1942
6. Mike Davis, *Planet of Slum*, Verso, 2007
7. Dolores Hayden, *Redesigning the American Dream: The Future of Housing, Work, and Family Life*, W.W Norton & Company, 2007 (2nd ed)
8. Christine Boyer, *Dreaming the Rational City: The Myth of American City Planning*, MIT Press, 1986
9. Kermit C Parsons & David Schuyler (eds), *From Garden City to Green City: The Legacy of Ebenezer Howard*, Baltimore: The John Hopkins University Press, 2002
10. The Congress for the New Urbanism. 2001. Charter.
11. Robert Caro, *The Power Broker: Robert Moses and the Fall of New York*, Vintage, 1975
12. Marshall Berman, *All That is Solid Melts into Air*, Penguin Book, 1988
13. James Scott, *Seeing Like a State: How Certain Schemes to Improve the Human Condition Have Failed*, Yale University Press, 1999
14. Nezar AlSayyad (ed), *Forms of Dominance: On the Architecture and Urbanism of the Colonial Enterprise*, Avebury, 1992
15. Lisa Peattie, *Planning: Rethinking Ciudad Guayana*, University of Michigan Press, 1987
16. James Holston, *The Modernist City: An Anthropological Critique of Brasilia*, University of Chicago Press, 1989
17. June Manning Thomas and Marsha Ritzdorf (eds), *Urban Planning and the African American Community: In the Shadows*, SAGE Publication, Inc, 1996
18. Kenneth T. Jackson, *Crabgrass Frontier: The Suburbanization of the United States*, Oxford University Press, 1987
19. St Clare Drake & Horace R. Cayton, *Black Metropolis: A Study of Negro Life in a Northern City*, University of Chicago Press, 1993.
20. Edward Banfield, *Unheavenly City Revisited*, Waveland Press, 1990
21. Susan S Fainstein & Scott Campbell, *Reading in Planning Theory*, Wiley-Blackwell, 2011
22. Lewis Mumford, *The City in History: Its Origin, Its Transformation and Its Prospects*, A Harvest/HBJ Books, 1961
23. Stephen Graham & Simon Marvin, *Splintering Urbanism: Networked Infrastructures, Technological Mobilities, and the Urban Condition*, 2001

24. Aihwa Ong & Ananya Roy (eds), *Worlding Cities and the Art of Being Global*, Wiley-Blackwell, 2011
25. Patsy Haley, E.A Silva, et.al, "*Routledge Handbook on Planning Research Methods*" Routledge, 2015.
26. Faranak Mirahtab, *Cities in the Global South Reader*, Routledge, 2014.

ENAR800039
INDEPENDENT STUDY
3 CREDITS

Learning Objectives:

Students should be able to demonstrate advanced architectural knowledge on particular topic and to implement the knowledge into the development of ideas of architectural intervention.

Syllabus:

Advanced studies on architectural knowledge in particular context; development of architectural intervention ideas based on thorough inquiry of contexts and theoretical inquiry on related topic.

Prerequisite: -

References: Relevant references to the topic offered.

ENAR800040
CAPITA SELECTA
3 CREDITS

Learning Objective:

Students should be able to expand their knowledge on various topics that support acquisition of architectural knowledge and design skills.

Syllabus:

Selected topics that are relevant to architectural knowledge, design skills and their recent development.

Prerequisite: -

References: Relevant references to the topic offered.

ENAR800041
SPECIAL TOPIC ON ARCHITECTURAL DESIGN
3 CREDITS

Learning Objectives:

Students should be able to demonstrate knowledge on current architectural discourse and its implementation in architectural design.

Syllabus:

Studies on the development of contemporary architectural theories; the development of architectural design methods; the development of architectural representation techniques; the development in other relevant disciplines that have impacts of the development of architectural design theories and methods.

Prerequisite: -

References: Relevant references to the topic offered.

ENAR800042
SPECIAL TOPIC ON URBAN DESIGN
3 CREDITS

Learning Objectives:

Students should be able to demonstrate knowledge on current urban design discourse and its implementation in urban design.

Syllabus:

Studies on the development of urban design theories; the development of urban design methods; studies on current issues that are relevant to urban design; the development in other relevant disciplines that have impacts on the development of urban design theories and methods.

Prerequisite: -

References: Relevant references to the topic offered.

ENAR800043**SPECIAL TOPIC ON URBAN HOUSING AND SETTLEMENT****3 CREDITS****Learning objectives:**

Students should be able to demonstrate knowledge on current development of urban housing and settlement.

Silabus:

Studies on the development of urban housing and settlement theories; studies on current issues that are relevant to urban housing and settlement.

Prerequisite: -

References: Relevant references to the topic offered.

ENAR800044**SPECIAL TOPIC ON PROPERTY****3 CREDITS****Learning objectives:**

Students should be able to demonstrate knowledge on current development of property.

Silabus:

Studies on the property development; studies on current issues that are relevant to property development.

Prerequisite: -

References: Relevant references to the topic offered.

ENAR800045**SPECIAL TOPIC ON ARCHITECTURAL HISTORY, THEORY, AND CRITICISM****3 CREDITS****Learning Objectives:**

Students should be able to demonstrate historical and theoretical knowledge on the development of architecture.

Syllabus:

Studies of architectural history throughout various periods of time; the development of discourse on architectural history and theory.

Prerequisite: -

References: Relevant references to the topic offered.

**ENAR800046
SPECIAL TOPIC ON SUSTAINABILITY
3 CREDITS**

Learning Objectives:

Students should be able to demonstrate knowledge on current discourse on sustainability and its implementation on architectural design.

Syllabus:

Studies on the development of theories on building technology and sustainable environment; studies on relevant issues of sustainability; architectural design innovative practice related to sustainability; innovation on building structure, construction, material and systems.

Prerequisite: -

References: Relevant references to the topic offered.

**ENAR800047
TEACHING ASSISTANTSHIP
3 SKS**

Learning Objectives:

Students should be able to understand the learning principles and able to teach as studio or course facilitator in undergraduate program.

Syllabus:

Basic learning: Learning theory: behaviorism, cognitive constructivism and social constructivism; instructional method and techniques to facilitate architecture learning; evaluation methods and assessment; design studio learning process.

Prerequisites: -

References:

1. Heather Fry, Steve Ketteridge and Stephanie Marshall (eds.), *A Handbook for Teaching and Learning in Higher Education: Enhancing Academic Practice* (Third edition), Routledge, 2009.
2. David Nicol and Simon Pilling, *Changing Architectural Education: Towards a New Professionalism*, Taylor & Francis, 2000.
3. Rosie Parnell et al., *Crit: An Architecture Student's Handbook*, Routledge, 2007