## STRUKTUR KURIKULUM S2 ARSITEKTUR

<table>
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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 Sustainabilitas)
### MAT ARA PILIHAN

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

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### 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:**
Tujuan Pembelajaran:
Mahasiswa diperkenalkan oleh teori arsitektur lanjut bersifat umum dan yang memberikan landasan bagi riset masing-masing kekususan, 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:
3. Andrew Ballantyne (ed.), Architecture Theory, A Reader in Philosophy and Culture, Continuum, 2005
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
18. Miko E Miles, Gayle Berens, and Marc A Weiss, Real Estate Development, Urban Land Institutie, edisi terakhir
19. M Mostavi at all (eds.), Ecological Urbanism, Lars Muller Publisher, 2010
22. W Rutz, Cities and Towns in Indonesia: Their Development, Current Positions and Functions with Regard to Administration and Regional Economy, Gebrunger Bortraeger, 1987
25. James D Shilling, Real Estate, Oncourse Learning, 2001
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:

Prasyarat: -

Buku Ajar:
2. Peter Eisenman, Diagram Diaries, Thames & Hudson, 1999
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:
Membejali 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.

Sifatus:
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:
4. Shane, Graham, Recombinant Urbanism. Great Britain: John Willeys & Sons, 2005
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:
2. John Macsai F.A.I.A. et. al., Housing, John Wiley & Sons, 1982
5. DC Corporate Documentation, Real Estate Investment Calculations

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:

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:

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 multidisiplin (seni, matematika, ilmu-ilmu alam dan ilmu-ilmu sosial) dalam teori dan perancangan arsitektur.

Prasyarat: Telah mengikuti Teori Arsitektur Lanjut

Buku Ajar:
Tujuan Pembelajaran:
Menjabarkan bagaimana perencanaan dan perancangan lingkungan-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 diformulasikan; Mempertanyakan bagaimana ide perancangan kota dapat meningkatkan karakter fisik lingkungan-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 perceptual dan performatif dari perancangan kota.

Silabus:

Prasyarat: Telah mengikuti Teori Arsitektur Lanjut

Buku Ajar:
1. R. Legates, The City Reader, 2nd ed, Routledge, 1999

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; pemberianan perumahan; kebijakan perumahan: provider vs enabler; Analisis kritis Indonesia sebagai negara kepulauan dalam kaitan permukiman dan pengembangan daerah pesisir.

Prasyarat: Telah mengikuti Teori Arsitektur Lanjut
Buku Ajar:
3. Rod Burgess, *Petty Commodity Housing or Dweller Control?: A Critic of John Turner View on Housing Policy*, 1978

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:
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-sejarahan 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 (Architext), Routledge, 2000
7. Terence Hawke, Structuralism and Semiotics, Routledge, 1997

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 lingkung bangun.

Prasyarat: Telah mengikuti Teori Arsitektur Lanjut

Buku Ajar:

**ENAR802108**  
**STUDIO PERANCANGAN ARSITEKTUR 2**  
5 SKS

**Tujuan Pembelajaran:**  
Mampu mengembangkan kemampuan menciptakan ruang sebagai konsep perancangan arsitektur yang dirumuskan sendiri dalam suatu tema perancangan yang spesifik, meliputi perencanaan wilayah dan pertimbangan keberlanjutan.

**Silabus:**  

**Prasyarat:** -

**Buku Ajar:**
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

**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 kreativitas mahasiswa untuk menghasilkan rancang 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 koneksi tipologi dan aspek rancang kota melalui proyek perancangan kawasan mixed use (perumahan-komersial). Mahasiswa dipicu untuk merancang kembali kawasan yang berdiri dengan 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 projek rancang kota, mahasiswa dituntut untuk menjadikan “karakter lokal” sebagai kota kunci.
Prasyarat: Telah mengikuti Studio Perancangan Perkotaan 1

Buku Ajar:
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

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:
Eksplosasi 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:

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)  

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:
2. J. Bloomer, Architecture and the Text: the (s)crypts of Joyce and Piranesi (Theoretical Perspectives in Architecture), Yale University Press, 1995
10. Michael Keith and Steve Pile, Place and the Politics of, Routledge, 1993
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 dna peraturan dalam pemanfaatan teknologi.

Prasyarat: Telah mengikuti Workshop Arsitektur dan Sustainabilitas 1

Buku Ajar:

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:
2. T. Y. Hardjoko, *Panduan Meneliti dan Menulis Ilmiah*, Departemen Arsitektur Universitas Indonesia, 2005

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

Silabus:

FACULTY OF ENGINEERING
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:**
2. T. Y. Hardjoko, *Panduan Meneliti dan Menulis Ilmiah*, Departemen Arsitektur Universitas Indonesia, 2005

**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.

**Silsab:**
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:**
2. T. Y. Hardjoko, *Panduan Meneliti dan Menulis Ilmiah*, Departemen Arsitektur Universitas Indonesia, 2005

**DESKRIPSI MATA AJAR PILIHAN**

**ENAR800524**
**ARSITEKTUR ETNIK**
**3 SKS**

**Tujuan Pembelajaran:**
Membeaki 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.

**Silsab:**
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:

ENAR800525

**ARSITEKTUR DAN RUANG SINEMATIK**

3 SKS

Tujuan Pembelajaran:

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:
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 Laundrette; 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.

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 kepedulianya untuk menerapkan kekhasan perkembangan eko-antroposistem setempat kedalam rancangan arsitek-
arsitektur 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, wakturuang-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:

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 lingkung-bina dan kuasa (power). Peningkatan kesadaran untuk tidak lagi mendefinisikan arsitektur secara sempit (hanya dalam ranah desain/esi atau profesi arsitek) yang pada umumnya memisahkan aspek visual dan spasial dengan konteks sosial, politik, ekonomi dan budaya. Pemahaman bahwa lingkung-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:
10. David Harvey, *Spaces of Hope*, University of California Press, 2000
17. Teresa Caldeira, *City of Wall*, University of California Press, 2000
27. Faranak Miratlab & Neema Kudva (eds), *Cities of the Global South Reader*, Routledge, 2015
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
S2 ARSITEKTUR


Prasyarat:

Buku Ajar:
3. Undang-undang Republik Indonesia Nomor 11 Tahun 2010 tentang Cagar Budaya

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:

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 pemograman computer.

Silabus:
Pengenalan terhadap peralatan perancangan berbasis komputasi, pendekatan perancangan berbasis parameter, algo- rithmic architecture dan perangkat scripting.
Prasyarat: Memiliki kemampuan dasar dalam modeling berbasis NURBS dan CAD

Buku Ajar:

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:
4. *Details in Architecture*

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:
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:
17. Mayor Michael R Bloomberg and Amanda M.Burden, Coastal climate resilience, Urban waterfront adaptive strategies, Department of City Planning, 2013
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:

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 administrasi 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,
Tujuan Pembelajaran:
Mahasiswa diberikan pengenalan filosofi dalam arsitektur, khususnya perbedaan pengetahuan dan pembuktian fisik/empirik dan penjelasan metafisik dalam memahami fenomena arsitek- tur; selanjutnya, mampu mewacanakan dan mendemonstrasikan prinsip berpikir secara kritikal terkait perbedaan pengamatan dan olah-pikir masing-masing fenomena arsitek- tural 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 arsitek- tural dari pengetahuan empirik dan metafisik, Plato dan Khōra, Fenomena dan Fenomenologi Husserl (essensialisme) dan Heidegger (eksistensialisme), Tanda (Sign) Semiotika, Mitos, Simulacra dan Dekontruksi, Knowledge-Power.

Prasyarat: -

Buku Ajar:
1. R Barthes tr by Annette Lavers, Mythologies, Hill and Wang, 1972

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) paradigma-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 suburub dan ‘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 berkompetiisi 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 Entrepreunur, Perencanaan Dystopia dan Paska Perkotaan.

Prasyarat: -

Buku Ajar:
5. Friedrich Engels, The Housing Question, Lawrence and Wishart, Ltd, 1942
6. Mike Davis, Planet of Slum, Verso, 2007

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
S2 ARSITEKTUR

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: Diseduaikan dengan topik yang ditawarkan

Buku Ajar: Diseduaikan 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: Diseduaikan 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: Diseduaikan 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:
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:

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:
3. Andrew Ballantyne (ed.), Architecture Theory, A Reader in Philosophy and Culture, Continuum, 2005
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
18. Miko E Miles, Gayle Berens, and Marc A Weiss, Real Estate Development, Urban Land Institute, edisi terakhir
19. M Mostavi et al (eds), Ecological Urbanism, Lars Muller Publisher, 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
25. James D Shilling, Real Estate, Oncourse Learning, 2001

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:
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:

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:**
5. DC Corporate Documentation, *Real Estate Investment Calculations*

**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:**
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, Birkhausser, 2002
5. Leslie L Doelle and Lea Prasetio, Akustik Lingkungan, Erlangga, 1993
6. KE Watt, Understanding the Environment, UC Press, 1982

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 contempororer; 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 Theores

References:
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, picturesques, 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

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
3. Rod Burgess, Petty Commodity Housing or Dweller Control?: A Critic of John Turner View on Housing Policy, 1978


**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:**

**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 invidual 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 (Architext), Routledge, 2000
7. Terence Hawke, Structuralism and Semiotics, Routledge, 1997

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:

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:

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:
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

**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:**

**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:
2. J. Bloomer, Architecture and the Text: the (s)crypts of Joyce and Piranesi (Theoretical Perspectives in Architecture), Yale University Press, 1995
10. Michael Keith and Steve Pile, Place and the Politics of, Routledge, 1993

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:
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:
2. T. Y. Hardjoko, Panduan Meneliti dan Menulis Ilmiah, Departemen Arsitektur Universitas Indonesia, 2005

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:
2. T. Y. Hardjoko, Panduan Meneliti dan Menulis Ilmiah, Departemen Arsitektur Universitas Indonesia, 2005
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 that 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:
2. T. Y. Hardjoko, Panduan Meneliti dan Menulis Ilmiah, Departemen Arsitektur Universitas Indonesia, 2005

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. Egenter, Architectural Anthropology, Structura Mundi, 1996
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:
6. Alan Marcus, Dietrich Neumann (eds), Visualizing the City (Architext), Routledge, 2008
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
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
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 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
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)

Learning Objectives:
Students should be able to understand the relationship between spatial temporal, cultural, and eco-anthropomorphic 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 awareness 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:

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:**
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**References:**
10. David Harvey, *Spaces of Hope*, University of California Press, 2000
17. Teresa Caldeira, *City of Wall*, University of California Press, 2000
27. Faranak Mirahmat & Neema Kudva (eds), *Cities of the Global South Reader*, Routledge, 2015
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:
3. Undang-undang Republik Indonesia Nomor 11 Tahun 2010 tentang Cagar Budaya
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:

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 architecture, and scripting software.

Prerequisites: Students have basic knowledge of NURBS and CAD modelling

References:

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:
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:
2. Colin Rowe, Mathematics of an Ideal Villa, MIT Press, 1976

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:
17. Mayor Michael R Bloomberg and Amanda M.Burden, Coastal climate resilience, Urban waterfront adaptive strategies, Department of City Planning, 2013

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 also 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:

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,

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 Khorā. Husserl phenomenon and phemnomenology (essentialism) and Heiddegger (existentialism), semiotic sign, myth, simulacra and deconstruction, Knowledge-Power

Prerequisites: -

References:
1. R Barthes tr by Annette Lavers, Mythologies, Hill and Wang, 1972

ENAR800238
CITY PLANNING
3 CREDITS
Learning Objectives:
Student should be able to understand history and theory of urban planning though 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:
5. Friedrich Engels, The Housing Question, Lawrence and Wishart, Ltd, 1942
6. Mike Davis, Planet of Slum, Verso, 2007

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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.

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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.

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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.

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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.

Syllabus:
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.

Syllabus:
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 bulding 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: