

STRUKTUR MATA AJAR PENDIDIKAN PROFESI ARSITEK (PPAR)

KODE	MATA AJAR	SUBJECT	sks
Semester 1		Semester 1	
ENAR701001	Proyek Perancangan I	Design Project 1	6
ENAR701003	Etika dan Praktik Keprofesian	Professional Ethics and Practice	3
ENAR701004	Teknologi dan Lingkungan Berkelanjutan	Technology and Sustainable Environment	3
Sub Total			12
Semester 2		Semester 2	
ENAR702002	Proyek Perancangan II	Design Project II	6
ENAR702005	Teori Perancangan Arsitektur	Architectural Design Theory	3
	Pilihan*)	Elective*)	3
Sub Total			12
Total			24

*) Mahasiswa dapat juga mengambil mata ajar pilihan yang ditawarkan di Program Studi Magister Arsitektur atau program studi di luar Departemen Arsitektur yang minimal setara dengan jenjang profesi.

MATA AJAR PILIHAN

MATA AJAR PILIHAN			
KODE	MATA AJAR	SUBJECT	SKS
ENAR700006	Building Information Modelling	Building Information Modelling	3
ENAR700007	Kapita Selekt	Capita Selecta	3

DESKRIPSI MATA AJAR

ENAR701001
PROYEK PERANCANGAN I
6 SKS

Tujuan Pembelajaran:

Mahasiswa memahami dan mampu menerapkan pengetahuan tentang teknik presentasi perancangan, etika, *code of compliances* yang berkaitan dengan pra-rancangan sampai dengan pengembangan rancangan untuk keperluan perijinan, serta administrasi proyek dan manajemen proyek di biro konsultan yang terkait dengan produksi dan dokumentasi gambar kerja, detail, dan spesifikasi bangunan; Mahasiswa memiliki pengetahuan tentang berbagai material bangunan.

Silabus:

Etika profesi; hubungan arsitek dan pemberi tugas yang difokuskan pada pemahaman, pengungkapan / presentasi ide dan pelayanan terhadap klien yang dituangkan dalam produk pra-rancangan; pemahaman peraturan bangunan setempat; produk pengembangan gambar kerja dan dokumen perancangan; penyusunan *Bill of Quantity* (BQ); administrasi biro konsultan termasuk penyusunan kontrak dan imbalan jasa; peranan *Building Information Modelling* (BIM) dalam praktik perancangan.

Prasyarat: -**Buku Ajar:** -

- Hall, Dennis J (ed), *Architectural Graphic Standards* (12th edition), American Institute of Architects, 2016
- Emmitt, Stephen, *Design Management for Architects*, (2nd edition), Wiley-Blackwell, 2014

3. Kensek, Karen, and Douglas Noble, *Building Information Modeling: BIM in Current and Future Practice*, John Wiley & Sons, 2014
4. Holzer, Dominik, *The BIM Manager's Handbook: Guidance for Professionals in Architecture, Engineering and Construction*, John Wiley & Sons, 2016
5. Ching, D.K, and Barry S.Onouye, Douglas Zuberbuhler, *Building Structure Illustrated* (2nd edition). John Wiley & Sons, 2014.
6. American Institute of Architects, *The Architect's Handbook of Professional Practice* (15th edition), 2013
7. *RIBA Handbook for Practice Management* (9th edition), 2013
8. Schittich, C, *In Detail, Cost-Effective Building, Economic Concepts and Constructions*, Birkhauser, 2007
9. *Buku Pedoman Hubungan Kerja antara Arsitek dengan Pengguna Jasa*, Ikatan Arsitek Indonesia
10. Peraturan Daerah Provinsi DKI Nomor 1 Tahun 2014 tentang Rencana Detail Tata Ruang dan Peraturan Zonasi
11. Peraturan Daerah Provinsi DKI Nomor 7 Tahun 2010 tentang Bangunan Gedung
12. Pedoman Detail Teknis Ketatakotaan Pemerintah Daerah Provinsi DKI Jakarta 1995
13. Peraturan Kepala Dinas DKI Jakarta (Perkadis) Nomor 3 Tahun 2014
14. Peraturan Menteri PU Nomor 26 Tahun 2008 tentang Persyaratan Teknis Sistem Proteksi Kebakaran pada Bangunan Gedung dan Lingkungan
15. Peraturan Menteri PU Nomor 30 Tahun 2006 tentang Pedoman Teknis Fasilitas dan Aksesibilitas pada Bangunan Gedung dan Lingkungan
16. Peraturan Gubernur Provinsi DKI Nomor 38 Tahun 2012 tentang Bangunan Gedung Hijau

ENAR701003**ETIKA DAN PRAKTIK KEPROFESIAN****3 SKS****Tujuan Pembelajaran:**

Mahasiswa memahami tentang profesi arsitek dan aspek-aspek keprofesian secara normatif yang berlaku di dalamnya; Mahasiswa memahami hubungan antara pendidikan formal arsitektur di perguruan tinggi dan proses keprofesian selanjutnya untuk menjadi arsitek, sesuai dengan kesepakatan nasional ataupun internasional.

Silabus:

Profesi arsitek, proyek arsitektur, biro arsitek: memberikan gambaran lengkap tentang ranah praktik arsitektur dimana etika profesi menjadi pedoman bersikap yang utama.

Etika profesi: pemahaman tentang implikasi hukum, kode etik dan kaidah tata laku profesi arsitek pada praktik arsitektur, dan mengetahui sumber-sumber yang ada bila diperlukan untuk mendalami permasalahan yang muncul dalam praktik arsitektur.

Hubungan dengan pranata keprofesian: Peraturan dan kode etik yang digunakan oleh Ikatan Arsitek Indonesia (IAI), dan rekomendasi/kebijakan internasional yang disepakati oleh seluruh anggota *Union Internationale des Architectes* (UIA).

Prasyarat: -**Buku Ajar:**

1. Kode Etik Ikatan Arsitek Indonesia (IAI)
2. Dokumen *Union Internationale des Architectes* (UIA)
3. Landasan Etika Profesi

ENAR701004**TEKNOLOGI DAN LINGKUNGAN BERKELANJUTAN****3 SKS****Tujuan Pembelajaran:**

Mahasiswa mampu melakukan analisis terhadap berbagai pendekatan dan strategi dalam teknologi bangunan dan perancangan lingkungan-bangun menuju lingkungan berkelanjutan.

Silabus:

Prinsip-prinsip lingkungan berkelanjutan; teknologi bangunan, teknik dan proses konstruksi dan layanan bangunan serta dampaknya terhadap keberlanjutan lingkungan; kaitan antara iklim, lingkungan-bangun, konstruksi, konsumsi energi dan

kesejahteraan manusia; penerapan strategi teknologi bangunan dalam proyek perancangan dalam konteks standar / peraturan bangunan dan lingkungan yang terkait.

Prasyarat: -

Buku Ajar:

1. Y. B. Mangunwijaya, *Teknologi dan Dampak Kebudayaannya*, Jakarta: Yayasan Obor Indonesia. 1993
2. T. Jacob, *Menuju Teknologi Berperikemanusiaan: Pikiran-Pikiran Tentang Indonesia*, Jakarta: Yayasan Obor Indonesia. 1996
3. Max Hueber Verlag Munchen, *Man and Technology*, Gesamtersellung: Verlagsanstalt Man Dillingen/Donau. 1963
4. Charles Susskind, *Understanding Technology*, The Hopkins University Press. 1973
5. A. Charis Zubair, *Etika Rekayasa Menurut Konsep Islam*, Yogyakarta: Pustaka Pelajar Offset, 1997
6. Peter Graham, *Building Ecology: First Principles For A Sustainable Built Environment*, Blackwell Publishing. 2003
7. *Architecture For A Sustainable Future*, Institute For Building Environment and Energy Conservation (IBEC). 2005
8. Edward Burtynsky, *Manufactured Landscapes*, Zeitgeist Video. 2007
9. Discovery Channel, *Extreme Engineering: Turning Torso*, Discovery Communication. 2010
10. Discovery Channel, *Next World: Future Megatropolis*, Discovery Communication. 2010

ENAR702002

PROYEK PERANCANGAN II

6 SKS

Tujuan Pembelajaran:

Mahasiswa memahami dan mampu menerapkan pengetahuan tentang teknik presentasi perancangan, etika, *code of compliances* yang berkaitan dengan pembuatan dokumen tender lengkap dan pengawasan proyek; Mahasiswa mengetahui manajemen pelaksanaan konstruksi yang mencakup koordinasi antar disiplin, penyesuaian rancangan dengan kondisi lapangan, dan pengawasan berkala lapangan; Mahasiswa mampu memilih material bangunan dalam rancangan.

Silabus:

Etika profesi; hubungan arsitek dengan insinyur dan ahli lain terkait yang difokuskan pada kerja kolaboratif, penerapan standar keteknikan yang dituangkan dalam produk lengkap dokumen tender yang meliputi gambar kerja, spesifikasi teknis dan pelaksanaan, serta Rencana Anggaran Biaya; manajemen konstruksi; peranan *Building Information Modeling* (BIM) dalam praktik perancangan.

Prasyarat: -

Buku Ajar: -

1. Hall, Dennis J. (ed), *Architectural Graphic Standards* (12th edition), American Institute of Architects, 2016
2. Emmitt, Stephen, *Design Management for Architects*, (2nd edition), Wiley-Blackwell, 2014
3. Kensek, Karen, and Douglas Noble, *Building Information Modeling: BIM in Current and Future Practice*, John Wiley & Sons, 2014
4. Holzer, Dominik, *The BIM Manager's Handbook: Guidance for Professionals in Architecture, Engineering and Construction*, John Wiley & Sons, 2016
5. Ching, D.K, and Barry S. Onouye, Douglas Zuberbuhler, *Building Structure Illustrated* (2nd edition). John Wiley & Sons, 2014.
6. American Institute of Architects, *The Architect's Handbook of Professional Practice* (15th edition), 2013
7. *RIBA Handbook for Practice Management* (9th edition), 2013
8. Schittich, C, *In Detail, Cost-Effective Building, Economic Concepts and Constructions*, Birkhauser, 2007
9. *Buku Pedoman Hubungan Kerja antara Arsitek dengan Pengguna Jasa*, Ikatan Arsitek Indonesia
10. Peraturan Daerah Provinsi DKI Nomor 1 Tahun 2014 tentang Rencana Detail Tata Ruang dan Peraturan Zonasi
11. Peraturan Daerah Provinsi DKI Nomor 7 Tahun 2010 tentang Bangunan Gedung
12. Pedoman Detail Teknis Ketatakotaan Pemerintah Daerah Provinsi DKI Jakarta 1995
13. Peraturan Kepala Dinas DKI Jakarta (Perkadis) Nomor 3 Tahun 2014
14. Peraturan Menteri PU Nomor 26 Tahun 2008 tentang Persyaratan Teknis Sistem Proteksi Kebakaran pada Bangunan Gedung dan Lingkungan

15. Peraturan Menteri PU Nomor 30 Tahun 2006 tentang Pedoman Teknis Fasilitas dan Aksesibilitas pada Bangunan Gedung dan Lingkungan
16. Peraturan Gubernur Provinsi DKI Nomor 38 Tahun 2012 tentang Bangunan Gedung Hijau

ENAR702005**TEORI PERANCANGAN ARSITEKTUR****3 SKS****Tujuan Pembelajaran:**

Mahasiswa mampu melakukan analisis kritis terhadap gagasan-gagasan arsitektur dalam literatur 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 praktik perancangan arsitektur; pendekatan multidisiplin (seni, matematika, ilmu-ilmu alam dan ilmu-ilmu sosial) dalam teori dan perancangan arsitektur.

Prasyarat: -**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.

ENAR700006**BUILDING INFORMATION MODELLING****3 SKS****Tujuan Pembelajaran:**

Mahasiswa mampu menggunakan perangkat *Building Information Modeling* dalam perancangan, pengembangan dan dokumentasi perancangan arsitektural.

Silabus:

Pengenalan BIM dalam arsitektur; pengembangan model, penanganan informasi dan *database*, analisis dan dokumentasi.

Prasyarat: -**Buku Ajar:**

1. Eastman, C., Eastman, C.M., Teicholz, P. and Sacks, R., *BIM Handbook: A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers and Contractors*. John Wiley & Sons, 2011
2. Kensek, K, and Noble, D., *Building Information Modeling: BIM in Current and Future Practice*, John Wiley & Sons, 2014
3. Holzer, D, *The BIM Manager's Handbook: Guidance for Professionals in Architecture, Engineering and Construction*, John Wiley & Sons

ENAR700007
KAPITA SELEKTA
3 SKS

Tujuan Pembelajaran:

Mahasiswa memiliki wawasan dalam berbagai topik pengetahuan yang mendukung penguasaan kemampuan profesional arsitektur.

Silabus:

Topik-topik pilihan yang relevan dengan penguasaan kemampuan profesional arsitektur dan perkembangan pengetahuan arsitektur.

Prasyarat: -

Buku Ajar: Disesuaikan dengan topik yang ditawarkan.

COURSE DESCRIPTION

ENAR701001
DESIGN PROJECT I
6 CREDIT UNITS

Learning Objectives:

Students should be able to understand and apply the knowledge of design presentation techniques, ethics, code of compliances relating to the preliminary design through design development for the purposes of building permit, project administration and project management at consultant which relate to the production and documentation of drawings, details, and building specification; Students should be able to demonstrate knowledge of various building materials.

Syllabus:

Professional ethics; relationship of architect and the client is focused on understanding, expression or presentation of ideas and service to clients as outlined in preliminary design products; understanding of local building codes; producing Bill of Quantity (BQ); administration of architecture consultation including the preparation of contracts and payment for services; the role of Building Information Modeling (BIM) in design practice.

Prerequisites: -

References:

1. Hall, Dennis J (ed), *Architectural Graphic Standards* (12th edition), American Institute of Architects, 2016
2. Emmitt, Stephen, *Design Management for Architects*, (2nd edition), Wiley-Blackwell, 2014
3. Kensek, Karen, and Douglas Noble, *Building Information Modeling: BIM in Current and Future Practice*, John Wiley & Sons, 2014
4. Holzer, Dominik, *The BIM Manager's Handbook: Guidance for Professionals in Architecture, Engineering and Construction*, John Wiley & Sons, 2016
5. Ching, D.K, and Barry S. Onouye, Douglas Zuberbuhler, *Building Structure Illustrated* (2nd edition). John Wiley & Sons, 2014.
6. American Institute of Architects, *The Architect's Handbook of Professional Practice* (15th edition), 2013
7. *RIBA Handbook for Practice Management* (9th edition), 2013
8. Schittich, C, *In Detail, Cost-Effective Building, Economic Concepts and Constructions*, Birkhauser, 2007
9. *Buku Pedoman Hubungan Kerja antara Arsitek dengan Pengguna Jasa*, Ikatan Arsitek Indonesia
10. Peraturan Daerah Provinsi DKI Nomor 1 Tahun 2014 tentang Rencana Detail Tata Ruang dan Peraturan Zonasi
11. Peraturan Daerah Provinsi DKI Nomor 7 Tahun 2010 tentang Bangunan Gedung
12. Pedoman Detail Teknis Ketatakotaan Pemerintah Daerah Provinsi DKI Jakarta 1995
13. Peraturan Kepala Dinas DKI Jakarta (Perkadis) Nomor 3 Tahun 2014
14. Peraturan Menteri PU Nomor 26 Tahun 2008 tentang Persyaratan Teknis Sistem Proteksi Kebakaran pada Ban-

gunan Gedung dan Lingkungan

15. Peraturan Menteri PU Nomor 30 Tahun 2006 tentang Pedoman Teknis Fasilitas dan Aksesibilitas pada Bangunan Gedung dan Lingkungan
16. Peraturan Gubernur Provinsi DKI Nomor 38 Tahun 2012 tentang Bangunan Gedung Hijau

ENAR701003**PROFESSIONAL ETHICS AND PRACTICE****3 CREDIT UNITS****Learning Objectives:**

Student should be able to demonstrate understanding of architects as profession and normative aspects of professional practice; Student should be able to understand the relationship between formal architecture education in university and further professional process to become architect, according to national and international agreement.

Syllabus:

Architect profession, architectural project, architectural firm; description about architectural practice where professional ethics become the main guide for conduct.

Professional ethics: understanding of law implication, code of ethics, professional code of conduct; knowledge on the existing resources to understand the emerging issues in architectural practice.

Relationship with professional regulation: Regulation and code of ethics used by Ikatan Arsitek Indonesia (IAI), and international recommendation/policy which is agreed by all the members of Union Internationale des Architectes (UIA).

Pre-requisites: -**References:**

1. Kode Etik Ikatan Arsitek Indonesia (IAI)
2. Dokumen *Union Internationale des Architectes (UIA)*
3. Landasan Etika Profesi

ENAR701004**TECHNOLOGY AND SUSTAINABLE ENVIRONMENT****3 CREDIT UNITS****Learning Objectives:**

Students should be able to perform an analysis on various approaches and strategies in building technology and the design of built environment towards sustainable environment.

Syllabus:

Environmental sustainable building technology principles; building technology, engineering, construction process, and building service and their impact on environmental sustainability; relationship among climate, built environment, construction, energy consumption and human well-being; application of building technology strategy in design project that complies with relevant building and environmental standard and regulation.

Pre-requisites:**References:**

1. Y. B. Mangunwijaya, *Teknologi dan Dampak Kebudayaanannya*, Jakarta: Yayasan Obor Indonesia. 1993
2. T. Jacob, *Menuju Teknologi Berperikemanusiaan: Pikiran-Pikiran Tentang Indonesia*, Jakarta: Yayasan Obor Indonesia. 1996
3. Max Hueber Verlag Munchen, *Man and Technology*, Gesamtersellung: Verlagsanstalt Man Dillingen/Donau. 1963
4. Charles Susskind, *Understanding Technology*, The Hopkins University Press. 1973
5. A. Charis Zubair, *Etika Rekayasa Menurut Konsep Islam*, Yogyakarta: Pustaka Pelajar Offset, 1997
6. Peter Graham, *Building Ecology: First Principles For A Sustainable Built Environment*, Blackwell Publishing. 2003
7. *Architecture For A Sustainable Future*, Institute For Building Environment and Energy Conservation (IBEC). 2005

8. Edward Burtynsky, *Manufactured Landscapes*, Zeitgeist Video. 2007
9. Discovery Channel, *Extreme Engineering: Turning Torso*, Discovery Communication. 2010
10. Discovery Channel, *Next World: Future Megatropolis*, Discovery Communication. 2010

ENAR702002
DESIGN PROJECT II
6 CREDIT UNITS

Learning Objectives:

Student should be able to understand and apply knowledge on design presentation technique, ethics, code of compliances which are related to the production of complete tender document and project supervision; Student should be able to describe construction management process that covers interdisciplinary coordination, adaptation of design to site condition, and regular site supervision; Students should be able to make decision regarding the use of building materials in the design.

Syllabus:

Professional ethics; relationship between architect and engineer and other related experts which is focused on collaborative work, application of engineering standard which is demonstrated in complete tender document including working drawings, technical specification and implementation, and budget planning; the role of Building Information Modeling (BIM) in design practice.

Pre-requisite: -

References:

1. Hall, Dennis J. (ed), *Architectural Graphic Standards* (12th edition), American Institute of Architects, 2016
2. Emmitt, Stephen, *Design Management for Architects*, (2nd edition), Wiley-Blackwell, 2014
3. Kensek, Karen, and Douglas Noble, *Building Information Modeling: BIM in Current and Future Practice*, John Wiley & Sons, 2014
4. Holzer, Dominik, *The BIM Manager's Handbook: Guidance for Professionals in Architecture, Engineering and Construction*, John Wiley & Sons, 2016
5. Ching, D.K, and Barry S. Onouye, Douglas Zuberbuhler, *Building Structure Illustrated* (2nd edition). John Wiley & Sons, 2014.
6. American Institute of Architects, *The Architect's Handbook of Professional Practice* (15th edition), 2013
7. *RIBA Handbook for Practice Management* (9th edition), 2013
8. Schittich, C, *In Detail, Cost-Effective Building, Economic Concepts and Constructions*, Birkhauser, 2007
9. *Buku Pedoman Hubungan Kerja antara Arsitek dengan Pengguna Jasa*, Ikatan Arsitek Indonesia
10. Peraturan Daerah Provinsi DKI Nomor 1 Tahun 2014 tentang Rencana Detail Tata Ruang dan Peraturan Zonasi
11. Peraturan Daerah Provinsi DKI Nomor 7 Tahun 2010 tentang Bangunan Gedung
12. Pedoman Detail Teknis Ketatakotaan Pemerintah Daerah Provinsi DKI Jakarta 1995
13. Peraturan Kepala Dinas DKI Jakarta (Perkadis) Nomor 3 Tahun 2014
14. Peraturan Menteri PU Nomor 26 Tahun 2008 tentang Persyaratan Teknis Sistem Proteksi Kebakaran pada Bangunan Gedung dan Lingkungan
15. Peraturan Menteri PU Nomor 30 Tahun 2006 tentang Pedoman Teknis Fasilitas dan Aksesibilitas pada Bangunan Gedung dan Lingkungan
16. Peraturan Gubernur Provinsi DKI Nomor 38 Tahun 2012 tentang Bangunan Gedung Hijau

ENAR702005
ARCHITECTURAL DESIGN THEORY
3 CREDIT UNITS

Learning Objectives:

Students are able to perform critical analysis to architectural ideas in classic and contemporary architectural literature, and able to identify the relationship between theory and practice in architectural design practice.

Syllabus:

The development in the mechanism of generating architecture from classical architecture to contemporary archi-

ecture; current ideas on the discourses of architectural design theory and practice; multidisciplinary approach (art, mathematics, natural sciences, social sciences) in architectural theory and design.

Pre-requisite:-

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.

ENAR700006

BUILDING INFORMATION MODELING

3 CREDIT UNITS

Learning Objectives:

Student should be able to use Building Information Modeling tool in the design, development, and documentation of architectural design.

Syllabus:

Introduction to BIM in architecture; model development, information and database handling, analysis and documentation.

Pere-requisites: -

References:

1. Eastman, C., Eastman, C.M., Teicholz, P. and Sacks, R., *BIM Handbook: A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers and Contractors*. John Wiley & Sons, 2011
2. Kensek, K, and Noble, D., *Building Information Modeling: BIM in Current and Future Practice*, John Wiley & Sons, 2014
3. Holzer, D, *The BIM Manager's Handbook: Guidance for Professionals in Architecture, Engineering and Construction*, John Wiley & Sons

ENAR700007

CAPITA SELECTA

3 CREDIT UNITS

Learning Objectives:

Students should be able to expand their knowledge on various topics that support the mastery of professional architecture competence.

Syllabus:

Selected topics that are relevant to the mastery of professional architecture competence and the development of architecture knowledge

Prerequisite: -

References: Relevant references to the topic offered.