

**FAKULTAS TEKNIK SIPIL, PERENCANAAN, DAN KEBUMIHAN**  
**FACULTY OF CIVIL ENGINEERING, PLANNING, AND GEO-ENGINEERING**

<b>Program Studi</b> <i>Department</i>	<b>DEPARTEMEN ARSITEKTUR</b> <i>ARCHITECTURE DEPARTMENT</i>
<b>Jenjang Pendidikan</b> <i>Programme</i>	<b>PROGRAM PENDIDIKAN PROFESI ARSITEK</b> <i>ARCHITECT PROFESSIONAL EDUCATION PROGRAMME</i>

<b>Kompetensi Lulusan</b>	<ul style="list-style-type: none"> <li>• Menguasai teori arsitektur, kajian preseden arsitektur, dan metodologi perancangan arsitektur</li> <li>• Mampu mengkaji secara kritis dan komprehensif serta memecahkan masalah rancangan arsitektur, dan menyajikan hasilnya baik secara lisan, grafis maupun dalam bentuk tulisan (Dalam lingkup, konsep rancangan, rancangan skematik, gambar kerja, rencana kerja dan syarat-suarat (RKS) dan rencana anggaran beaya (RAB).</li> <li>• Kemampuan merancang secara kreatif karya arsitektur yang didasarkan pada kajian presedent, dengan melibatkan klien, dan dilakukan secara mandiri.</li> <li>• Kemampuan mengembangkan kinerja profesional yang ditunjukkan dengan ketajaman analisis permasalahan, keserbacakupan tinjauan, dan kepaduan pemecahan masalah.</li> </ul>
<b>Graduate Competence</b>	<ul style="list-style-type: none"> <li>• <i>Profecient in architecture theory, architecture precedent analysis, and architecture design methods.</i></li> <li>• <i>Ability to comprehensively and critically analyse and propose problem solving in architecture design; and present them by means of oral, written and graphic presentation. (Including: design concept, schematic design, working drawing, Building Specification and Construction Cost Estimate)</i></li> <li>• <i>Ability to creatively and independently design architecture objects based on architecture precedent analysis, and working with client .</i></li> <li>• <i>Ability to develop professional performance that characterized by sharp analysis of problems, adequate perspective/ frame of reference, and comprehensive problems solving.</i></li> </ul>

## STRUKTUR KURIKULUM/COURSE STRUCTURE

### DAFTAR MATA KULIAH PENDIDIKAN PROFESI ARSITEK

No.	Kode MK	Nama Mata Kuliah (MK)	SKS
<b>SEMESTER I</b>			
1	DA187101	Teori Arsitektur Lanjut	2
2	DA187102	Proyek Perancangan Arsitektur I: <i>Technological &amp; Professional Studies</i>	6
3	DA187103	Perancangan Eksploratif	2
4	DA187104	Sistem dan Teknologi Bangunan	2
Jumlah SKS			12
<b>SEMESTER II</b>			
1	DA187201	Etika Berarsitektur	2
2	DA187202	Proyek Perancangan Arsitektur II: <i>Technological &amp; Professional Studies (Real Project)</i>	6
3	DA187203	Praktek Berarsitektur	2
4	DA187204	Arsitektur Berkelanjutan	2
Jumlah SKS			12
Total SKS			24

<b>MATA KULIAH/ COURSE TITLE</b>	<b>DA187101: TEORI ARSITEKTUR LANJUT</b> <b>DA187101: ADVANCED IN ARCHITECTURAL THEORY</b> Credits: 2 sks./2 credits] Semester: I
<b>TUJUAN PEMBELAJARAN/ LEARNING OBJECTIVES</b>	<p>Memberikan pemahaman kepada mahasiswa aliran-aliran dan langgam yang ada dalam arsitektur; mengembangkan pengertian teori arsitektur dan perannya secara eksplisit sebagai media/alat (tool) untuk menjelaskan dan menganalisis karya arsitektur; secara implicit sebagai media/alat (tool) dalam merancang arsitektur melalui penggalan teori-teori yang ada dalam dunia arsitektur dan melalui kajian atau analisa kritis pada karya arsitektur; serta memahami pengertian arsitektur, tema, konsep, teknik merancang dan langgam yang digunakan arsitek; dan kemampuan mengkomunikasikannya dalam bentuk lesan maupun tulisan.</p> <p><i>Provides understanding of “isms” and styles in architecture; develop architecture theory and its explicit role as a tool to explain and analyse architecture objects; and its implicit role as a tool of architecture design; and understanding of architecture, theme, concept, design method and architect’s design style; and ability to comunicate by means of oral dan written prsentation.</i></p>
<b>KOMPETENSI/ COMPETENCY</b>	<ul style="list-style-type: none"> <li>• Memahami aliran dan langgam dalam arsitektur</li> <li>• Mampu menjelaskan teori-teori tentang apa itu arsitektur; serta teori-teori yang dapat dipakai untuk menganalisis karya arsitektur dari berbagai pemikiran</li> <li>• Mampu mencari, menyelidiki dan menjelaskan langgam, aliran, pengertian arsitektur, tema, konsep, teknik merancang dari arsitek terkenal dunia.</li> <li>• <i>Undertanding of “isms” and styles in architecture.</i></li> <li>• <i>Ability to explain architecture theories of ‘what architecture is’; and ability to explain aplicable theory for analysing architecture objects from various school of thought.</i></li> <li>• <i>Ability to inquire and explain architecture style, ‘ism’, theme, concept, and design method of world-reknowned architects.</i></li> </ul>
<b>POKOK BAHASAN/ SUBJECTS</b>	<ul style="list-style-type: none"> <li>• <i>Aliran Dan Langgam dalam Arsitektur</i></li> <li>• <i>What architecture is &amp; What Architecture Should Do?</i></li> <li>• <i>How Best To Design?</i></li> <li>• <i>Rekam Jejak Arsitek terkenal &amp; Karyanya</i></li> <li>• <i>Ism and style in architecture.</i></li> <li>• <i>What architecture is &amp; What Architecture Should Do?</i></li> </ul>

	<ul style="list-style-type: none"> <li>• <i>How Best To Design?</i></li> <li>• Track records of <i>world-reknowned architects and their works.</i></li> </ul>
<p><b>PUSTAKA UTAMA/ REFERENCES</b></p>	<ul style="list-style-type: none"> <li>• Ballantyne, Andrew, <u>What is Architecture</u>, 2000</li> <li>• Broadbent , Geoffrey, <u>Design in Architecture</u>, 1978</li> <li>• Capon, David Smith, <u>Architectural Theory, Le Corbusier’s Legacy</u>, 1999</li> <li>• Melvyn, Jeremy, <u>Isms: Understanding Architecture</u>, 2006</li> <li>• Farmer, ben , <u>Companion to Contemporary Architectural Thought</u>, 1993</li> </ul>

**MATA KULIAH/  
COURSE TITLE**

**DA187102: PROYEK PERANCANGAN ARSITEKTUR 1**

**DA187102: Architectural Design Project 1**

Credits: 6 sks./ 6 credits

Semester: I

<p><b>TUJUAN PEMBELAJARAN/ LEARNING OBJECTIVES</b></p>	<p>Mengembangkan kemampuan merancang arsitektur yang komprehensif pada skala kota dengan mendasarkan pada beberapa isu penting, keterbangunan, permasalahan sosial dan ekonomi serta aspek legal formal yang membatasinya</p> <p><i>To develop ability to designing architecture in a comprehensive way within urban scale based on some central issues, constructibility, social &amp; economic as well as legal aspects which constrain the design</i></p>
<p><b>KOMPETENSI/ COMPETENCY</b></p>	<ul style="list-style-type: none"><li>• Mampu merumuskan, menginterpretasi dan mengkomunikasikan konsep rancangan berdasarkan TOR (brief/programme), tapak dan lingkungannya</li><li>• Mampu memahami aspek sosial, ekonomi dan hukum/peraturan yang menjadi batasan dalam rancangan sebagai rujukan dalam merancang</li><li>• Mampu mengembangkan konsep diatas kedalam rancangan yang komprehensif (termasuk 13 butir kompetensi dari IAI) serta memperhatikan semua aspek yang berkaitan dengan keterbangunan secara teknis serta mempresentasikan rancangan secara lisan, grafis dan teknis dalam gambar</li></ul> <p><i>ability to formulate and present concepts useful to design from a brief and site and its environment</i></p> <p><i>ability to comprehend social &amp; economic aspect of the project as well as all regulation &amp; the building codes as a reference to the design</i></p> <p><i>ability to translate and extend these starting points into a working design proposal in a comprehensive way (including the IAI's 13 points of competence) and communicate the design ideas effectively through oral, graphic and technical drawings</i></p>
<p><b>POKOK BAHASAN/ SUBJECTS</b></p>	<ul style="list-style-type: none"><li>• Pengetahuan, teori dan kajian preseden yang relevan</li><li>• Analisa tapak dan lingkungan dalam aspek teknis, sosial dan ekonomi</li><li>• Kajian preseden serta isu rancangan dengan cara mengeksplorasi dan menginterpretasi atas isu tersebut untuk memunculkan gagasan rancang</li><li>• Kajian aspek keterbangunan dalam merancang</li><li>• Pembahasan peraturan bangunan dan pedoman perencanaan yang berkaitan dengan keselamatan dan kenyamanan pengguna</li></ul>

	<p>bangunan</p> <ul style="list-style-type: none"> <li>• Pembahasan dan latihan 13 butir kompetensi IAI dalam rancangan</li> <li>• <i>Site and environmental analysis in terms of technical, social and economics</i></li> <li>• <i>Study of precedents as well as selecting design issues by exploring and interpreting such issues to spark some design ideas</i></li> <li>• <i>Study of the constructibility of the design</i></li> <li>• <i>Discussion of building regulations and building codes particularly regarding the aspects of users' safety and comfort</i></li> <li>• <i>Discussion and design exercise of the IAI's 13 points of competence</i></li> </ul>
<p><b>PUSTAKA UTAMA/ REFERENCES</b></p>	<ul style="list-style-type: none"> <li>• Liebing, Ralph W.(208): <b>Construction of Architecture – From Design to Built</b>, John Wiley &amp; Sons., New Jersey</li> <li>• Macdonald, Angus (2001): <b>Structure and Architecture</b>; Architectural Press-Oxford</li> <li>• Weston, Richard (2003): <b>Materials, Form and Architecture</b>; Yale University Press.</li> <li>• Schierle, G G.(2006), <b>Architectural Structures Exerpts</b>, University of Southern California, Los Angeles</li> </ul>

**MATA KULIAH/  
COURSE TITLE**

**DA187103: PERANCANGAN EKSPLORATIF**

**DA187103: EXPLORATIVE DESIGN**

Credits: 2 sks./ 2 credits]

Semester: I

<b>TUJUAN PEMBELAJARAN/ LEARNING OBJECTIVES</b>	<p>Mengeksplorasi beberapa kemungkinan saluran kreativitas untuk memicu ide awal perancangan yang diharapkan akan menentukan ciri arsitektur yang dihadirkan.</p> <p><i>To explore various possibilities of channel of creativity to generate initial design ideas which is expected to characterize some distinct architecture</i></p>
<b>KOMPETENSI/ COMPETENCY</b>	<ul style="list-style-type: none"><li>• Mampu memerikan semua saluran kreativitas dan mengaitkan dengan proses berarsitektur yang ada serta merujuk pada teori arsitektur yang sudah berkembang</li><li>• Mampu menganalisa aspek kreativitas karya rancang arsitektur berdasarkan pemikiran logis atas fakta dan konteks rancangan</li><li>• <i>Ability to describe all channels of creativity, relates them to design process and architecture theories</i></li><li>• <i>Ability to analyze aspects of creativity of architectural design objects based on facts &amp; its context by means of logical thinking</i></li></ul>
<b>POKOK BAHASAN/ SUBJECTS</b>	<ul style="list-style-type: none"><li>• Pengertian kreativitas dalam rancangan arsitektur</li><li>• Ragam saluran kreativitas : teraga (tangible), tak-teraga (intangible), tipe arsitektur (architectural types &amp; typology)</li><li>• Telaah kasus saluran kreativitas : teraga (tangible), tak-teraga (intangible), tipe arsitektur (architectural types &amp; typology)</li><li>• <i>Creativity in architectural design</i></li><li>• <i>Various channels of creativity : tangible, intangible and type &amp; typology</i></li><li>• <i>Case study of channels of creativity : tangible, intangible and type &amp; typology</i></li></ul>
<b>PUSTAKA UTAMA/ REFERENCES</b>	<ul style="list-style-type: none"><li>• Antoniades, Anthony A. (1990): <b>Poetics of Architecture</b></li><li>• Leupen, Bernard, et.al. (1997); <b>Design and Analysis</b>; Van Nostrand Reinhold, New York</li><li>• Frank, Karen A., Schneekloth, Lynda H. (1994): <b>Ordering Space - Types in Architecture and Design</b>; Van Nostrand Reinhold - New York</li><li>• Various architect monographs such as Frank Lloyd Wright, Le Corbusier, Morphosis, Zaha Hadid</li></ul>

<b>MATA KULIAH/ COURSE TITLE</b>	<b>DA187201 : PRAKTEK BERARSITEKTUR</b> <b>DA187201: ARCHITECTURAL PRACTICE</b> Credits: 2 sks./2 credits] Semester: II
<b>TUJUAN PEMBELAJARAN/ LEARNING OBJECTIVES</b>	<p>Memahami peran arsitek dalam industri konstruksi, aspek hukum praktek berarsitektur, manajemen bisnis &amp; pemasaran serta financial planning, pembuatan dokumentasi rancangan arsitektur baik berupa gambar kerja (DED) maupun RKS (SPECS) dan RAB, metoda &amp; strategi komunikasi, serta kompilasi semuanya kedalam dokumen kontrak antara kantor arsitek dan pemberi tugas</p> <p><i>To understand the role of architects in the building enterprise, legal aspects, business management, marketing and financial planning, method &amp; strategy of communication, production of construction documents including working drawings, building specifications and construction cost estimate</i></p>
<b>KOMPETENSI/ COMPETENCY</b>	<ul style="list-style-type: none"> <li>• Kemampuan memahami peran arsitek dalam menangani proyek, baik yang berkaitan dengan klien &amp; konsultan maupun dengan internal perusahaan</li> <li>• Kemampuan memahami proses merancang arsitektur dari pra-rancangan sampai dengan pembuatan dokumen kontrak</li> <li>• Kemampuan memahami &amp; menyelesaikan persoalan yang timbul dalam praktek berarsitektur yang terkait aspek teknis bangunan, aspek hukum dalam berarsitektur, manajemen bisnis &amp; pemasaran serta financial planning.</li> </ul> <ul style="list-style-type: none"> <li>• <i>Ability to comprehend the role of architects to carry out project regarding both the clients and the experts (consultants) as well as internal affair inside the firm</i></li> <li>• <i>Ability to comprehend architectural design process from pre-design phase through production of the construction documents</i></li> <li>• <i>Ability to understand and solve the problems during the design process concerning technical issues, legal aspects, business management, marketing as well as financial planning</i></li> </ul>
<b>POKOK BAHASAN/ SUBJECTS</b>	<ul style="list-style-type: none"> <li>• Manajemen proyek</li> <li>• Manajemen perancangan</li> <li>• Peraturan bangunan &amp; petunjuk perancangan semua sistim terkait dengan bangunan</li> <li>• Dokumen kontrak &amp; kelengkapannya</li> <li>• Metoda komunikasi rancangan</li> <li>• Manajemen bisnis &amp; pemasaran</li> </ul>



	<ul style="list-style-type: none"> <li>• <i>Project management</i></li> <li>• <i>Design management</i></li> <li>• <i>Building codes &amp; guidance to design all systems related to building</i></li> <li>• <i>Construction documents</i></li> <li>• <i>Design communication method</i></li> <li>• <i>Business management &amp; marketing</i></li> </ul>
<p><b>PUSTAKA UTAMA/ REFERENCES</b></p>	<ul style="list-style-type: none"> <li>• Liebing, Ralph W. (2008): <b>Construction of Architecture – From Design to Built ; John Wiley &amp; Sons. Inc.</b>, New Jersey</li> <li>• Gould, Frederick; Joyce, Nancy E. (2008): <b>Construction Project Management</b> (3rd edition) ; Prentice Hall;</li> <li>• Sydney, Levy. (2006): <b>Project Management in Construction</b>; McGraw-Hill Professional Engineering;</li> <li>• Huth, Mark W. (2009): <b>Understanding Construction Drawings</b>; Delmar Cengage Learning;</li> <li>• Emmit, Stephen (2006): <b>Design Management for Architects</b>; Blackwell Publishing, Oxford</li> </ul>

<b>MATA KULIAH/ COURSE TITLE</b>	<b>DA187204: ETIKA BERARSITEKTUR</b> <b>DA187204: ARCHITECTURE ETHICS</b> Credits: 2 sks./2 credits] Semester: II
<b>TUJUAN PEMBELAJARAN/ LEARNING OBJECTIVES</b>	<p>Mengembangkan pemahaman tentang etika profesi dan kode etik berarsitektur bagi arsitek dan kliennya serta masyarakat luas dalam memberikan layanan berarsitektur agar terhindar dari berbagai bentuk pelanggaran.</p> <p><i>To develop the understanding of professional ethics and the architects code of professional conduct for architects, their clients and the community in providing architectural services to prevent against violation</i></p>
<b>KOMPETENSI/ COMPETENCY</b>	<ul style="list-style-type: none"> <li>• Mampu memahami etika profesi dan kode etik berarsitektur .</li> <li>• Mampu menerapkan etika dalam pelaksanaan keprofesian.</li> <li>• Mampu memahami beberapa bentuk kode etik dan bentuk pelanggarannya.</li> </ul> <ul style="list-style-type: none"> <li>• <i>Ability to understand professional ethics and the architects code of professional conduct</i></li> <li>• <i>Ability to perform ethics in professional practice</i></li> <li>• <i>Ability to understand some professional ethics &amp; its violation</i></li> </ul>
<b>POKOK BAHASAN/ SUBJECTS</b>	<ul style="list-style-type: none"> <li>• Pengenalan etika</li> <li>• Etika dan Profesionalisme</li> <li>• Etika Bisnis/Usaha</li> <li>• Kode Etik Profesional</li> </ul> <ul style="list-style-type: none"> <li>• <i>Introduction to ethics</i></li> <li>• <i>Ethics and professionalism</i></li> <li>• <i>Business ethics</i></li> <li>• <i>Architects code of professional conduct</i></li> </ul>
<b>PUSTAKA UTAMA/ REFERENCES</b>	<ul style="list-style-type: none"> <li>• IAI, <b>Kode Etik Profesional</b></li> <li>• Wasserman, B, et all, <b>Ethics and the practice of Architecture</b>, John Wiley &amp; sons, inc, NewYork, 2000</li> <li>• Landau, R., <b>Architecture, Ethics, and the Person</b>, in M.Pollak, <b>The education of the Architect</b>, the MIT Press, Cambrige, MA, 1992</li> <li>• Murvin, H.L. <b>The Architect’s responsibilities</b>, Library of Congress Catalogue Number 82-90109, 1982</li> <li>• Statman, D, <b>Introduction in Virtue Ethics</b> edited by D.Statman, Georgetown University Press, Washington, DC, 1997</li> </ul>

<b>MATA KULIAH/ COURSE TITLE</b>	<b>DA187202: PROYEK PERANCANGAN ARSITEKTUR 2</b> <b>DA187202: ARCHITECTURAL PROJECT DESIGN 2</b> Credits: 6 sks./ 6 credits] Semester: II
<b>TUJUAN PEMBELAJARAN/ LEARNING OBJECTIVES</b>	<p>Mengembangkan kemampuan merancang arsitektur dalam tahap rancangan detail dengan memperhatikan tingkat keterbangunan baik sistim struktur, bahan dan peralatan mekanikal &amp; elektrikal serta sistim pelaksanaannya.</p> <p><i>To develop ability to designing architecture within document production phase with a special attention to constructibility such as structural system, building materials, mechanical &amp; electrical equipments as well as the system of construction</i></p>
<b>KOMPETENSI/ COMPETENCY</b>	<ul style="list-style-type: none"> <li>• Mampu merancang arsitektur dengan mengintegrasikan semua kebutuhan teknis secara komprehensif dalam rancangan</li> <li>• Mampu meningkatkan sikap profesional dalam merancang dengan cara membuat keputusan yang sistimatis &amp; tepat dalam setiap proses merancang</li> <li>• Mampu mengembangkan gambar pra-rancangan ke dalam gambar kerja (working drawings) serta membuat Rencana Kerja &amp; Syarat (RKS) dan menghitung Rencana Anggaran Biaya (RAB) beberapa pekerjaan penting dalam proyek</li> <li>• <i>Ability to designing architecture by incorporating all technical requirements in a comprehensive way</i></li> <li>• <i>Ability to enhance professional attitude to design by demonstrating good &amp; systematic architectural judgment</i></li> <li>• <i>Ability to develop from pre-design into document production phase by producing working drawings, building specification &amp; construction cost estimate</i></li> </ul>
<b>POKOK BAHASAN/ SUBJECTS</b>	<ul style="list-style-type: none"> <li>• Review gambar pra-rancangan meliputi sistim struktur, organisasi ruang, tampak &amp; potongan bangunan</li> <li>• Pembahasan rancangan detail gambar arsitektur, struktur, mekanikal &amp; elektrikal</li> <li>• Kajian pemilihan bahan bangunan yang tepat</li> <li>• Kajian sistim utilitas &amp; lingkungan yang meliputi a.l penghawaan, penerangan, komunikasi, pencegahan &amp; pemadaman kebakaran dan perpipaan</li> <li>• Pembahasan peraturan bangunan dan Standard Nasional</li> </ul>

	<p>Indonesia (SNI)</p> <ul style="list-style-type: none"> <li>• Pembahasan pembuatan Rencana Kerja &amp; Syarat (RKS) dan Rencana Anggaran &amp; Biaya (RAB)</li> <li>• <i>Review the pre-design drawings such as structural system, room layout, building facades &amp; sections</i></li> <li>• <i>Discussion on working drawings for architecture, structure, mechanical &amp; electrical</i></li> <li>• <i>Study of selecting appropriate building materials</i></li> <li>• <i>Study of defining building utilities &amp; services including HVAC, lighting, communication system, fire protection system and plumbing</i></li> <li>• <i>Discussion on building regulation &amp; SNI</i></li> <li>• <i>Discussion on producing building construction specification and construction cost estimate</i></li> </ul>
<p><b>PUSTAKA UTAMA/ REFERENCES</b></p>	<ul style="list-style-type: none"> <li>• Liebing, Ralph W. (2008): <b>Construction of Architecture – From Design to Built ; John Wiley &amp; Sons. Inc., New Jersey;</b></li> <li>• Stitt, Fred. (1998): <b>Working Drawing Manual; McGraw-Hill Professional;</b></li> <li>• Huth, Mark W. (2009): <b>Understanding Construction Drawings; Delmar Cengage Learning;</b></li> <li>• Lyons, Arthur (2007); <b>Materials for Architects and Builders; Elsevier, Oxford</b></li> </ul>