ACADEMIC GUIDEBOOK

2024-2025 Academic Year

UNIVERSITAS GADJAH MADA
FACAULTY OF ENGINEERING
MASTER OF URBAN AND REGIONAL PLANNING

ASIIN

TABLE OF CONTECT

INTRODUCTION

We express our gratitude and praise to God for His blessings, as it is through His grace that the academic guidebook for the Master Program in Urban and Regional Planning (MURP) at Universitas Gadjah Mada, commonly known as UGM, has been published. This guidebook is intended to provide information about the courses (curriculum, syllabus, technical implementation) in particular, along with other supporting information.

The educational process at MURP UGM is one of the efforts to contribute to the development of urban and regional planning discipline in Indonesia, both in theory and practice, and to enhance the capacity of human resources in professionally conducting urban and regional planning with an understanding of appropriate social, political, and administrative contexts. The MURP program will always adapt to the ongoing developments in urban and regional planning, evident by the regular updates of reference materials and field phenomena, accompanied by a teaching and learning process that consistently takes these developments into account.

It is hoped that with this guidebook, students will have a clear understanding of the objectives, direction, and learning process at MURP UGM, enabling them to plan and complete the entire educational program smoothly and successfully. On this occasion, we extend a warm welcome to the students in the Student City of Yogyakarta and on the UGM campus, and wish them success in their studies, may they gain more knowledge and insights for the future.

Yogyakarta, August 2024

Master's program management
Urban and Regional Planning
Department of Architecture and Planning
Faculty of Engineering, Universitas Gadjah Mada

Refresher Course dan Curriculum Development
Dalam Rangka Temu Alumni

25 Tahun Magister Perencanaan Kota dan Daerah
15 Tahun S1 Perencanaan Wilayah dan Kota
UNIVERSITAS GADJAH MADA

MURP UGM AT GLANCE

GENERAL PROFILE OF MURP UGM

The Master Program in Urban and Regional Planning (MURP) at Universitas Gadjah Mada, or MURP UGM, is a postgraduate program that was established in 1994 based on the Decree of the Director General of Higher Education No. 203/DIKTI/Kep/1994. To this day, MURP has been granted operational permission according to the Rector's Decree No. 931/PI/SK/HT/2014 regarding the Permit for the Implementation of Diploma Vocational School, Master's, and Doctoral Programs at the Faculty and Postgraduate School within the Gadjah Mada University (UGM) environment.

The establishment of the MURP UGM program originated from the initiation of the planning community within the Department of Architecture and Planning (then known as the Department of Architecture) which was part of the City and Regional Planning Laboratory, also known as the Research Center (RC). Members of this community also served as researchers at P4N UGM - the Center for National Development Planning Research (now the Center for Regional Development Planning Studies - PSPPR UGM). The entire concept of establishing MURP UGM arose from the idea that planning is crucial for the development of the nation and the country. There was a strong motivation to play a role in providing planning education that could disseminate planning skills and thinking across all layers of society, thereby influencing the development direction. The program also emphasized the importance of comprehensive human resources and planning knowledge to support the development of the field of study and teaching.

The establishment of this program initially aimed to enhance the capacity of human resources to contribute to the practice of planning in Indonesia. This mission found its appropriate context during the early phase of decentralization, which resulted in considerable interest in the program. Since its opening in 1994 until 2016, the number of students studying in the MURP program has reached close to 2000, with an annual intake of approximately 70-90 students. Additionally, MURP has produced more than 1800 alumni who are dispersed across various ministries, institutions, and private entities, both locally and nationally, throughout the archipelago.

VISSION AND MISSION OF MURP UGM

VISSION

> "The Master Program in Urban and Regional Planning (MURP) is a center for the development of transdisciplinary knowledge and a guide to civilization in the Asia-Pacific region, with a focus on spatial engineering based on the values of democracy, togetherness, empowerment, justice, and balance to achieve sustainability and the greatness of humanity."

Spatial engineering (1) serves as the "ontology" or foundation for education implementation. The learning method used in education is a transdisciplinary knowledge (2) supported by fundamental learning values, consisting of democracy, togetherness, empowerment, justice, and balance (4). Furthermore, the axiology or utility of developed knowledge is to serve as a guide to civilization (3) and to achieve sustainability and the greatness of humanity (5).

The five keywords that form the basis of MURP's vision will be elaborated into achievement indicators, following their priority order as follows:

1. Spatial engineering, as the ontology, essentially falls under the field of urban and regional planning. The use of the term "engineering" directs attention to the characteristic of this field developed by the MURP program, which is under the Faculty of Engineering and emphasizes problem-solving (prescription). Engineering discipline encourages innovative synthetic thinking to solve problems through creative activities, not just explaining the issues. The term "spatial" is emphasized as the material object of this knowledge domain, representing the built environment or human settlement, which needs to be organized to enhance the community's contribution to improving the quality of human life (*better space better living*).

2. As a center for transdisciplinary knowledge development, the focus of the master's program is not only on teaching but also on knowledge development, distinguishing it from similar undergraduate programs. The term "transdisciplinary" indicates that analysis and problem-solving are viewed with overlapping perspectives from various disciplines, even though the focus is on spatial engineering.

3. Guiding civilization means that the MURP community is aware of its strategic position as a center for knowledge development that should pioneer the thinking and actions to improve human life through spatial engineering. This terminology emphasizes that the actions of knowledge development and planning practices undertaken by the MURP community are always motivated to enhance the quality of human living systems.

4. Values: Democracy, togetherness, empowerment, justice, and balance are the values that must always serve as the foundation and goals for the efforts of knowledge development and planning practices by the MURP community. These values are drawn from the local spirit of the archipelago and Yogyakarta, as well as those developed by UGM.

5. Achieving sustainability and the greatness of humanity is the highest orientation of all activities in the development of knowledge and planning practices by the MURP community. Sustainability means the preservation of natural resources, traditions, culture, and noble social characteristics of the archipelago. The greatness of humanity encompasses characteristics of resilience and growth, building productive social interactions, and being guided by high moral, ethical, and aesthetic values.

MISSION

1. Conduct inclusive education to produce competent and professional graduates who are capable of developing knowledge in the field of urban and regional planning with the values of democracy, togetherness, empowerment, justice, and balance to achieve sustainability and the greatness of humanity.
2. Provide inclusive education to produce competent and professional graduates who are capable of developing knowledge in the field of urban and regional planning with the values of democracy, togetherness, empowerment, justice, and balance to achieve sustainability and the greatness of humanity.
3. Actively contribute to the development of human civilization through urban and regional planning.
4. Stablish a good education, research, and community service management system with a focus on ethics and the quality of the tridharma works (teaching, research, and community service).

ACCREDITATION

Currently, MURP UGM has become the first MURP study program in Indonesia to obtain international accreditation from ASIIN - The Accreditation Agency for Study Programs in Engineering, Informatics, Natural Sciences, and Mathematics. This accreditation is valid until September 30, 2026. Simultaneously, MURP UGM's accreditation from BAN-PT (National Accreditation Agency for Higher Education) has been upgraded from the previous "A" rating to "Excellent," and it is valid until May 13, 2026.

TEACHING STAFF

No.	Name (Initial)	Education	Expertise	Interest and Research Cluster
1.	Prof. Ir. Achmad Djunaedi, MUP., Ph.D. (ADJ)	Bachelor: UGM Master: Texas A&M University Ph.D: Texas A&M University	Strategic Planning	• Strategic Planning • Information Management in Urban and Regional Planning • Planning Methods and Techniques • Planning Process & Support Systems • Smart Cities and Regions
2.	Prof. Yeremias .T. Keban, SU., MURP., Ph.D. (YTK)	Bachelor: UGM Master: UGM and University of Pittsburgh Ph.D: Florida State University Tallahasee	Strategic Management/ Planning	• Strategic Management and Planning • Public Management and Organization • Public Policy • Development Theory • Development Planning • Urbanization and Migration • Human Resource Management and Development • Poverty Alleviation • Capacity Building for Local Government • Good Governance
3.	Prof. Ir. Sudaryono, M.Eng., Ph.D. (SDY)	Bachelor: UGM Master: AIT-Thailand Ph.D: AIT-Thailand	Plannning Theory	• Planning Theory • Space and Culture • Phenomenolohical Research
4.	Prof. Ir. Bakti Setiawan, S.T., MA., Ph.D. (BBS)	Bachelor: UGM Master: University of Waterloo Ph.D: University of British Columbia	Community Planning	• Community Planning and Development • Urban Planning • Sustainable Development • Environmental Management
5.	Prof. Ir. Bambang Hari Wibisono, MUP., M.Sc., Ph.D. (BHW)	Bachelor: UGM Master: University of Wisconsin, Milwaukee Ph.D: University of Melbourne	Transportation Planning	• Transportation Planning • City and Urban Design • Urban Planning • Urban Heritage Conservation

No.	Name (Initial)	Education	Expertise	Interest and Research Cluster
6.	Prof. Dr. R. Rijanta, M.Sc. (RIJ)	Bachelor: UGM Master: ITC Enschede Ph.D: UGM and Leiden University	Rural and Regional Development	• Rural & Regional Development • Suistainable Rural Livelihood
7.	Dr. Ir. Suryanto, MSP. (SYT)	Bachelor: UGM Master: ITB Ph.D: UGM	Perencanaan Perumahan (Housing Planning)	• Housing Markets, Development, and Management • Land Use and Environmental Planning • Urban Analysis and Development • Transport Planning • History and Theory of the Built Environment Community Planning
8.	Ir. Didik Kristiadi, MLA., MAUD. (DKA)	Bachelor: UGM Master: University of Colorado	Urban Design	• Urban Design • Landscape Architecture Built Environment
9.	Ir. Sutrisno, MES. (STN)	Bachelor: UGM Master: University of York	Planning and Budgeting Integration	• Planning and Budgeting Integration Regional Development Planning
10.	Ir. Dwita Hadi Rahmi, M.A., Ph.D. (DHR)	Bachelor: UGM Master: University of Waterloo, Kanada Ph.D: UGM	Cultural Landscape	Cultural Landscape
11.	Dr. Eng. Ir. Muhammad Sani Roychansyah, S.T., M.Eng. IAP. (MSR)	Bachelor: UGM Master: Tohoku University Ph.D: Tohoku University	Contemporary Plannning	• Contemporary Issues in Planning/Development • Sustainable Urban Form/Development (Compact, Healthy, Smart, Creative, Resilient, etc.) • Urban Analysis, Planning, Design, and Development • City Center Regeneration • Spatial Genetics, Typology, Morphology • Comparative Development Strategy

No.	Name (Initial)	Education	Expertise	Interest and Research Cluster
				• Infrastructure/Facility Planning • Performance Based Design/Planning • Urban Forecasting/Modelling: Urban Information Computer • Big Data, Social Media, & Urban Informatics • City Branding/Marketing and Urban Governance • Planning Practice, Planning Education
12.	Ir. Agam Marsoyo, M.Sc., Ph.D. (AGM)	Bachelor: UGM Master: AIT Thailand Ph.D Newcastle University	Settlement Planning	• Housing Markets, Development, and Management • Urban Design • Land Use and Environmental Planning • Home-Based Enterprises • Adaptation Strategies • Planning Methods and Techniques Rural Development Planning
13.	Dr. Eng. Ir. Ahmad Sarwadi, M.Eng. (ASW)	Bachelor: UGM Master: Kyoto University Ph.D: Kyoto University	Spatial Planning	• Ecology Architecture • City Housing Waterfront Settlement
14.	Ir. Deva Fosterharoldas Swasto, ST., M.Sc., Ph.D., IPM. (DFS)	Bachelor: UGM Master: IHS Erasmus University, The Netherlands Ph.D: Newcastle University	Housing Planning and Policy	• Urban Housing Management and Policy • Settlements and Urban Housing Design and Planning • Housing Architecture • Walk-Up Flat and Vertical Housing for the Poor Urban Design
15.	Retno Widodo Dwi Pramono, ST., M.Sc., Ph.D. (RWD)	Bachelor: UGM Master: Wageningen University & IHS Ph.D: Groningen University	Regional Development Planning	• Land Use and Environmental Planning • Housing Markets, Development, and Management • Urban Planning in Effective Cities • Future Urban Design • Development Evaluation Approach • Land Policy and Market • Rural Transformation and Development Urban System Influenced to Regular Economic

No.	Name (Initial)	Education	Expertise	Interest and Research Cluster
16.	Doddy Aditya Iskandar, ST., MCP., Ph.D. (DAI)	Bachelor: UGM Master: University of Cincinnati Ph.D: University of Louisville	Regional Economic Planning	• Regional Development • Economic Development Policy • Regional Analysis and Development • Metropolitan Governance • Urban Politics • Comparative Urban Development
17.	Dr. Yori Herwangi, S.T., MURP. (YHW)	Bachelor: ITB Master: University.of Sydney Ph.D: ITB	Perencanaan Transportasi (Transportation Planning)	• Transportation Planning • Public Facilities Planning • Infrastructur Planning • Urban Planning
18.	Sri Tuntung Pandangwati, S.T., MUP., Ph.D. (STP)	Bachelor: UGM Master: University of Melbourne Australia Ph.D: RMIT University	Urban Farming, Sustainable Food System	• Urban and Regional Planning • Spatial Analysis • Urban Land Use and Food Systems
19.	Iwan Suharyanto, S.T., M.Sc., Ph.D. (cand) (IWS)	Bachelor: UGM Master: Technische Universitat Berlin Ph.D: Universiteit Utrecht (on going)	Urban Management	• Livable City and Kampong • Friendly City • Tourism • Night-Tourism • Smart City
20.	Isti Hidayati, S.T., M.Sc. Ph.D. (ISH)	Bachelor: UGM Master: Universitat Stuttgart Ph.D: University of Groningen	Urban Infrastructure Planning	• Infrastructure Planning • Applied Geographic Information System • Urban Mobility • Transport and Land Use Planning
21.	Jimly Al Faraby, S.T., M.Sc., Ph.D. (JAF)	Bachelor: UGM Master: TU Dortmund–Ardhi University Ph.D: Cardiff University	Neighborhood Planning and Design, Rural Development Planning	• Neighborhood Planning and Design • Rural Development Planning • Public Space-Public Life Study • Urban Informality

No.	Name (Initial)	Education	Expertise	Interest and Research Cluster
22.	Dr. Ir. Tri Mulyani Sunarharum, S.T., IPU. (TMS)	Bachelor: Universitas Brawijaya Ph.D: Queensland University of Technology	Urban Resilience	• Urban Resilience • Urban Planning • Collaborative Planning • Disaster Management • Disaster Risk Reduction • Community Resilience • Child-Friendly City • Transformatuve Adaptation to Climate Change • Watershed Management • Sustainable Development Goals
23.	Atrida Hadianti, S.T., M.Sc., Ph.D. (ATH)	Bachelor: UGM Master: AIT Thailand Ph.D Kyoto University	Disaster Preparedness, Mitigation and Management & Urban and Landscape Design	• Disaster Preparedness, Mitigation and Management • Livelihood Resilience • Urban and Landscape Design • Ecosystem Services • Riverside Landscape
24.	Ratna Eka Suminar, S.T. M.Sc. (RES)	Bachelor: UGM Master: AIT Thailand Ph.D: UGM (on going)	Urban Environmental Management	• Environmental Evaluation • Regional and Rural Planning • Regional Economics • Local Economics • Urban Inclusivity
25.	Widyasari Her Nugrahandika, S.T., M.Sc. (WHN)	Bachelor: UGM Master: AIT Thailand Ph.D: UGM (on going)	Urban Land Management, Neighborhood and Urban Planning	• Neighborhood Planning • Urban Renewal • Child Friendly City • CPTED • Land Management • Urban Environmental Management • Disaster
26.	Irsyad Adhi Waskita Hutama, S.T., M.Sc. (IAW)	Bachelor: UGM Master: University of Twente Ph.D: Shibaura Institute of Technology (on going)	Neighborhood Planning and Design	• Neighborhood Planning • Applied Geographic Information System • Urban Modelling • Sense of Place
27.	Rendy Bayu Aditya, S.T., MUP. (RBA)	Bachelor: UGM Master: University of Melbourne Ph.D: UCL (on going)	Environmental Planning and Management	• Environmental Planning • Natural Resource Management • Circular Economy

No.	Name (Initial)	Education	Expertise	Interest and Research Cluster
28.	Zulfikar Dinar Wahidayat Putra, S.T., M.Sc. (ZDW)	Bachelor: UGM Master: Wageningen University Ph.D: UCL (on going)	Neighborhood Planning and Design	• Neighborhood Planning and Design • Grassroots Urbanism • Smart Cities • Innovation Systems • Collective Intelligence within Urban and Regional Planning • Urban Technolog
29.	Dhimas Bayu Anindito, S.T., M.Sc. (DBA)	Bachelor: ITB Master: University College London Ph.D: UCL (on going)	Urban Analytics	• Smart Cities • Quantitative and Spatial Analysis • Public Participation • Energy Governance
30.	Cantya Paramita Marhendra, S.T., M.Sc. (CPM)	Bachelor: Brawijaya University Master: Politecnico di Milano	Landscape Design and Planning	• Landscape perception • Ecosystem services • Scenic beauty

SUPPORTING STAFF

No.	Name	Position
1.	Eka Handoko	Student and Academic
2.	Indah Sri Suminarti	Secretariat, Public Relation, and Database
3.	Santi Kumala Sari	Finance and general Administration
4.	Radani	Household, Assets, and Support Facilities
5.	Wati	Household, Assets, and Support Facilities (Library Unit)
6.	Ponijan	Security
7.	Ibnu	Security

CAMPUS FACILITIES
EDUCATIONAL FACILITIES
Classrom
MURP has two classrooms available for teaching and learning activities, namely M1 and M2 classrooms, as well as other classrooms within the DTAP (Department of Architecture and Planning). The classrooms are equipped with facilities such as LCD projectors, microphones, audio systems, air conditioning, and whiteboards.

Studio Room
MURP manages a dedicated Planning Studio Room on the third floor, consisting of 5 rooms. These studio rooms support the implementation of the Planning Studio courses. Facilities available in the studio rooms include discussion tables, chairs, presentation panels, LCD projectors, audio systems, air conditioning, and whiteboards. Additionally, each studio group is provided with a locker to store their studio materials.

Library and Reference Unit
MURP students have access to the Library of the Department of Architecture and Planning, located on the west wing of the first floor. The library is open from 08:00 to 16:00 on Mondays to Thursdays and from 08:00 to 15:00 on Fridays. Students can also access the collection through http://digilib.archiplan.ugm.ac.id and find a list of research reports or books under the Library menu on the Simaster page.

MURP also has a dedicated Reference Unit for the program, located adjacent to the Library of the Department of Architecture and Planning on the first floor. To facilitate comfortable learning, the reference room is equipped with air conditioning, reading space with sufficient chairs and tables (with a capacity of 34 people), adequate lighting, electrical access for students using computers, and storage shelves for bags. The Reference Unit for the Program also provides both manual and digital catalogs installed on 7 PCs, making it easy for students to access the available collection.

In addition to the library and reference units within the Department of Architecture and Planning, students can access the libraries of the Faculty of Engineering and the central library of UGM, as well as the e-journals provided by these libraries. The registration requirements for library membership, along with the rights and obligations of members until obtaining the library card, are detailed as follows.

Library Membership Registration

To register as a member, students need to submit a photocopy of their Student ID Card (Kartu Tanda Mahasiswa or KTM) along with an active UGM phone number and email address. Membership will be active within 24 hours or 1 day after registration.

Library Membership Rights

1. MURP students have the right to become library members without any fees. Membership is valid as long as they are enrolled as MURP students.
2. Students can borrow a maximum of 2 books/magazines for a loan period of 1 week.
3. Students can request a one-time loan extension through https://opac.lib.ugm.ac.id as long as the loan is not overdue, and there are no outstanding fines.
4. Students are entitled to receive good library services that are efficient in speed and accuracy, as well as friendly and comfortable.
5. Students can borrow library collections and receive user guidance on how to utilize and search for necessary information.
6. Students will be informed about upcoming library activities.
7. Students can make use of all library facilities, such as Wi-Fi service, reading rooms, photocopy services, multimedia services, and other supporting facilities available in the library.
8. Students can check the list of book collections and/or research reports through the Library menu on Simaster
9. Students can request the purchase of books, journals, or magazines to be added as new collections that are not yet available in the library or as additional collections to existing ones.

Library Membership Obligations

1. Student must bring the Student ID Card (KTM) for any library-related purposes such as borrowing and photocopying. The KTM should not be lent to others.
2. Return borrowed books on or before the specified due date.
3. Pay a late fine of Rp2,000.00 per book per day for any overdue items.
4. Take care of the condition and integrity of the borrowed books/magazines.
5. Do not return the books that have been read to the shelves by oneself, as it is the responsibility of the library staff to handle the book returns and shelving.
6. Respect and be considerate of other library users who are engaging in activities in the library.
7. Preserve and not damage the available facilities in the library, such as study tables, computers, and other amenities, so that they can be used appropriately by all library members.
8. Maintain a conducive and comfortable atmosphere in the library for studying.
9. Abide by all library regulations and rules.
10. Fulfill all library member obligations as outlined above, which are prerequisites for obtaining the Library Card (Kartu Bebas Pustaka) that is one of the requirements for graduation.

Library Clearance Card (Kartu Bebas Pustaka)
Kartu Bebas Pustaka or Library Clearance is a letter stating that a student no longer has any outstanding book loans or fines at the library. There are two types of Library Card (Kartu Bebas Pustaka). The first type is for the Department Library, and the second type is for the University Library. The Library Card for the Department can be obtained by filling out the form at https://ugm.id/bebaspustakaDTAP and submitting one copy of the thesis printed with dark blue buffalo hardcover to the library. On the other hand, for the University Library, the Library Card can be obtained by following the guidelines at https://ugm.id/etdunggah.

Seminar Room

The seminar room is used for thesis proposal presentations and thesis defenses. It is equipped with facilities such as air conditioning, LCD projector, and a whiteboard. The seminar room is usually M3 classroom or other seminar rooms within the DTAP (Department of Architecture and Planning) environment.

Video Conference

Video conference facilities are available in the M1 classroom. These facilities are used by both professors and students for distance learning. The video conference facilities are particularly helpful in conducting more intensive communication with other universities and partners.

Computer

Students can utilize computer facilities in the computer laboratories of the Department of Architecture and Planning, as well as the Spatial Planning Support Laboratory in the S1 (Undergraduate) Urban and Regional Planning studio area. Additionally, for teaching and assignment aids, MURP provides personal computers (PCs) in classrooms and studios with internet connectivity. The classroom computers are also connected to LCD projectors to enhance visual presentations of digital teaching materials (slideshows, photos, and videos) for students.

SUPPORTING FACILITIES

Internet

Like in other areas of the UGM campus, the internet facilities within MURP's environment also utilize the Wide Area Network (WAN) system. This system requires every student to have an account from UGM's system (UGM Single Sign-On or SSO UGM). Through this account, every student can access all the facilities provided by UGM using a single sign-on, such as Wi-Fi internet network within the campus, access to e-journals from anywhere and anytime, use of UGM-based email, and access to various portals.

EMERGENCY TOOLS & JALUR EVAKUASI

Alat Pemadam Kebakaran di titik-titik strategis

In the Department of Architecture and Planning area, there are evacuation route signs equipped with evacuation route maps in each room, along with emergency tools that can be used in emergency situations such as fire and others. The assembly points are located at the north and east parking areas of the building.

As for the parking system in the DTAP environment, it follows the reverse parking method (vehicles parked facing the road), which facilitates evacuation during emergency situations.

Common Room and Innercourt Park

A common room is provided for students to engage in discussions, both related to academic activities and other matters on the third floor of the building. The space located in the corridor of the lecture rooms can also serve as a learning area for students. It's a suitable place to wait for meeting with lecturer/advisors, access the internet, and partake in various activities. In this area, there are tables and chairs, as well as drinking water facilities and electrical outlets.

Other than the common room, another facility that can serve as a student discussion area is the garden or inner court of the Department of Architecture and Planning. This garden is equipped with various amenities, such as chairs, tables, power panels, lighting, and access to campus Wi-Fi. The inner court is also frequently used for outdoor lectures and other departmental events like graduation ceremonies, anniversaries, social nights, jam sessions, and more.

Photocopy, Canteen/Cafetaria, and Prayer/Worship Room

In the department, faculty, and university environments, various facilities are available to support academic activities for the academic community. Photocopying and ebook printing facilities can be found in the department and faculty premises. These facilities are grouped in the lower ground of the Faculty of Engineering Library building and can also be found in the south wing of the 1st floor (in front of the MURP Reference Unit).

For canteen facilities, students can access canteens located in the department or at the Faculty of Engineering. Additionally, there is a minimarket on the 1st floor of the Faculty of Engineering Administrative Office building.

Regarding worship activities in the MURP environment, especially for Muslims, they can perform their prayers at the Al Mustadam Mosque located just south of the Department of Architecture and Planning building.

Pusat Pelatihan Bahasa (PPB) UGM/Languange Center

Universitas Gadjah Mada has a Language Training Center (Unit Pusat Pelatihan Bahasa) that can be utilized by postgraduate students to improve their foreign language skills, especially English, and to meet the English language proficiency requirements for S2 (Master's) programs. English language tests are conducted at this UGM Language Training Center.

Cloud Printing

Cloud Printing service is available in each department and at the FT UGM Library. For the Department of Architecture and Planning, the printer units are located in the Reference Unit (Library) on the 1st floor, west wing, and on the 3rd floor of MURP UGM. The printers can be used by students, faculty, and staff.

The printing process can be done online or by using storage media based on the available quota. If the quota is depleted, vouchers are available, which can be obtained at the FT UGM Library. For further information, please contact the IT department and the technical staff of the cloud printing service in each department or the faculty library.

Lab. Komputer

Perpustakaan

Kantin

Common room

Locker

Inner court

OTHER FACILITIES

1. UGM provides healthcare facilities that can be accessed by students, including the UGM Academic Hospital (RSA) and the GMC Health Center. Additionally, government-owned healthcare facilities, such as Dr. Sardjito Central Hospital, are also accessible to students as they are located near UGM.

2. The University of Gadjah Mada Publishing and Publications Agency (UGM Press), located in the Faculty of Engineering, equipped with a showroom, can be utilized by students to find references related to their coursework.

3. Several banking offices are available in the UGM environment, including BNI 46 Bank, Bank Mandiri, Bank BRI, and several ATMs are also present in the faculty and university premises for students' convenience.

4. Sports facilities are scattered throughout the UGM campus, including jogging tracks in the main UGM building area, the UGM valley, Wisdom Park, and other areas. There are also indoor sports fields and a stadium that can be used by UGM students.

STUDENT ORGANIZATION

KM MPWK MAHATRA

MURP Students has a student organization called KM MURP Mahatra (MAHIJA ANAM IHATRA). This organization serves as a platform for expressing aspirations with the main goal of increasing scientific publications. MAHATRA also provides opportunities for MURP students to engage in activities outside of UGM's academic activities. MAHATRA has five divisions to carry out its activities, namely the Academic Division, External Division, Internal Division, Media Division, and Sports and Arts Division

Academic Division

The Academic Division is responsible for activities related to scientific publications. It helps organize activities such as scientific writing training, seminars, and other events to enhance students' writing and publication skills.

External Division

The External Division is responsible for activities related to scientific publications through networking expansion. It assists in establishing networks for scientific publications, national and international seminars, and other activities that support students in publishing their scientific work.

Internal Division

The Internal Division handles activities related to the MURP students themselves. It supports the organization of events aimed at fostering camaraderie among MURP students and other activities that contribute to their comfortable learning experience.

Media Division

The Media Division is responsible for activities related to publishing the activities carried out by MAHATRA. It helps publish academic and non-academic events to the wider audience.

Sports and Arts Division

The Sports and Arts Division organizes activities that channel the interests and talents of MURP students outside the academic field. It assists in organizing activities such as futsal, badminton, and other events related to the interests and talents of students.

KM MURP Mahatra can be contacted via email at kmMPWK@gmail.com or through their Instagram page at kmmpwk.ugm.

COLLABORATIONS

MURP has established various academic collaborations with Higher Education Institutions (HEI) both within and outside the country. Planning education institutions are part of the Indonesian Planning School Association (ASPI). MURP is also a member of the Asian Planning School Association (APSA), which has direct interactions with the Global Planning Education Association Network (GPEAN). Additionally, MURP is involved in several network consortiums such as P4CA and Borda through diverse collaborative schemes.

Furthermore, MURP has established partnerships with various partner universities worldwide, including Keio University, Ritsumeikan University (Policy Science and Engineering), Takushoku University, Yamaguchi University, University of Miyazaki, Kobe University, National Graduate Institute for Policy Studies (GRIPS), International University of Japan (IUJ), Radboud University, The University of Groningen, IHS (Institute of Housing and Urban Development Studies) of Erasmus University Rotterdam, Curtin University, and the University of Queensland. With these institutions, MURP UGM has engaged in research collaborations, educational activities such as guest lectures, double degree programs, visiting professor exchanges, and other collaborative initiatives.

MURP UGM is also a partner of the National Development Planning Agency of Indonesia (BAPPENAS) in efforts to enhance the capacity of civil servants (ASN) in Indonesia. Besides BAPPENAS, MURP has collaborations with various central and regional governments in Indonesia for degree and non-degree programs, as well as engagement in community service and research activities.

"In MURP UGM, I learned that planning requires adjustments and adaptations."

Ir. Yuli Hartono,
MTP Deputy Assistant for Environment, Jakarta
(MURP *Batch* 6)

INTERNATIONAL JOINT STUDIO

MURP UGM collaborates with several international partners to conduct the annual International Joint Studio with specific themes. In 2019, MURP UGM, MURP UNDIP, and Radboud University Nijmegen, The Netherlands, organized the event with the theme "Promoting Disaster Resilience in Urban Waterways: A Lesson Learned from The Netherlands, Semarang, and Yogyakarta." During approximately two weeks, from March 4 to March 14, 2019, students engaged in theoretical learning, field visits, and discussions of their findings in the studio/workshop. The activity concluded with a presentation of the studio outcomes. Similar activities were carried out in 2021 with the partnership of KotaLab from France. The theme addressed was "Implementing Urban Regeneration in Indonesia," focusing on a case study in the cultural heritage area of Kotabaru, Yogyakarta. In that year, participants from ITB, Universitas Brawijaya, and UNDIP also took part in the activities conducted by MURP UGM and KotaLab. Generally, the International Joint Studio is offered as an elective course and can be converted into 2 credits.

SCHOLARSHIPS

1. Ongoing students at MURP can access and apply for scholarship funding through the Beasiswa Unggulan (Scholarship for Outstanding Students) scheme from the Ministry of Education and Culture of Indonesia (https://beasiswaunggulan.kemdikbud.go.id/).
2. LPDP (Indonesia Endowment Fund for Education) scholarship can also be a source of funding for MURP's educational programs (registration for the scholarship should be done before the start of the academic semester).
3. The Indonesia Education Scholarship from the Ministry of Education, Culture, Research, and Technology also offers scholarships for students who wish to pursue a double degree program (https://beasiswa.kemdikbud.go.id).
4. There are scholarships available for writing scientific journals for students' Final Projects at UGM. More information can be accessed at https://publikasi.ugm.ac.id/id/publikasi/.

2nd JOINT COLLOQUIUM 2019
on Studies of Postgraduate & Graduate in Built Environment
21st - 22nd January 2019
Department of Architecture and Planning
Universitas Gadjah Mada, Yogyakarta

ACADEMICS

ACADEMICS ADMINISTRATION

STUDENT REGISTRATION AND RE-REGISTRATION

1. Registration and re-registration need to be done by paying the tuition fee.
2. New students who have received the summoning letter must register themselves within the specified time as indicated.
3. Students need to re-register for each semester as proof of their active student status and as a requirement to participate in academic activities. Re-registration is conducted by the university's registration division according to the designated schedule and procedures, with the exception of certain collaboration programs that use different payment scheme.

BIAYA PERKULIAHAN

The payment of program fees is made at the beginning of each semester. The fees for the postgraduate program at UGM are regulated based on the Rector's Decree regarding Tuition Fees (Uang Kuliah Tunggal - UKT).

According to this regulation:
1. the tuition fee for the regular MURP program for students enrolled in the academic year 2023/2024 is Rp13,000,000 per semester,
2. the tuition fee for partnership programs is determined based on the MoU agreement. For instance, for Double Degree partnership students the tuition fee is Rp15,000,000 per semester, and
3. the tuition fee for the International Program in MURP at UGM is Rp35,000,000 per semester.

ENROLLMENT STATUS, ACADEMIC LEAVE, AND RESIGNATION

1. An active student of MURP is defined as a student who has completed re-registration following the specified procedure and schedule.
2. If a student does not complete the re-registration process, they will be considered as not actively participating in their studies for that semester, and this period of nonactivity will be factored into the total study duration.
3. With the approval of the study program's management, MURP students can request academic leave for a maximum of two semesters within their study period.
4. Requests for academic leave must be submitted to the Faculty of Engineering Postgraduate Program before the semester begins.
5. Academic leave does not contribute to the overall study duration.
6. Temporary discontinuation of studies that occurs outside of academic leave is counted towards the total study duration.
7. If a student fails to request academic leave before the start of the semester and misses study activities, they will be considered absent in accordance with regulations, and this absence will affect their study duration.
8. During the study period, any period in which a student is not officially registered will not be counted towards the study duration. However, if the temporary discontinuation is due to academic sanctions, the duration of those sanctions will be counted. Discontinuation of study, aside from academic leave, contributes to the total study duration.
9. Students who wish to resign from the MURP program for any reason must report to the administration office of the Postgraduate Program in the Engineering Faculty. This can be done either orally or in writing, and it's necessary to obtain an official resignation letter. It's important to

note that submitting a resignation report to the university level does not exempt the student from their obligations to the department. Failure to follow this procedure can result in the student receiving an academic evaluation and being designated as having a Drop-Out (DO) status. Not reporting a resignation also impacts the study program management by contributing to an increased number of drop-out students.

PROGRAM IMPLEMENTATION

LENGTH OF STUDY AND WORKLOAD

The MURP curriculum is structured with 45 credits, comprising compulsory courses, elective courses, planning studio courses, and a thesis course. An academic year is divided into two semesters: odd semesters are held from August to January, and even semesters are held from February to July. Each semester consists of 14-16 weeks of classes, which includes mid-term examinations, followed by final examinations.

According to the curriculum design, the standard duration of study is 4 semesters, equivalent to 2 years. The minimum duration for completion is 3 semesters, or approximately 1 year and 6 months, while the maximum duration is 6 semesters, or 3 years.

To be awarded the Master in Urban and Regional Planning (MURP) degree from UGM, students are required to complete the designated study workload. For students enrolled in the "Double Degree" or Linkage Program, the study duration is determined through an agreement between the partner universities and MURP, with transfer credits applied.

ACADEMIC ORIENTATION (MATRICULATION)

Participation in academic orientation is mandatory for all new MURP students. Given the diverse educational and professional backgrounds of these students, the primary objective of the academic orientation is to align the students' perspectives and skills with the theoretical, methodological, and technical aspects of planning knowledge that will be employed throughout their studies in MURP. Typically, the orientation takes place before the official start of the academic calendar and spans around one week.

DOSEN PEMBIMBING AKADEMIK

1. The acadmic supervisor's roles are:
   a. developing effective learning habits to assist students in becoming exceptional and successful learners,
   b. guiding students in creating their study plans to ensure adherence to defined programs and competencies,
   c. assisting students in cultivating positive intellectual attributes, and
   d. motivating students to remain updated with advancements in science, technology, and/or the arts.
2. The Academic Supervisor provides academic consultations, considers and approves Study Plans (*Kartu Rencana Studi*/KRS) through several face-to-face meetings within a semester.
3. The Academic Supervisor is responsible for signing and approving students' Study Plans.
4. The Academic Supervisor also identifies students who may encounter challenges in completing their studies and reports these cases to the head of the degree program.
5. Academic Supervisors are available to provide consultations on non-academic matters that might impact a student's academic progress.

STUDY PLANS

1. When a student is registered for a semester, it is mandatory for them to complete a Study Plan (*Kartu Rencan Studi/KRS*). This plan is essential for participating in teaching, studying activities, and

final examinations (*Ujian Akhir Semester*/UAS). While students must personally draft their study plan, technical assistance is available from the Administration Office of MURP, along with guidance from the Academic Supervisor.

2. Students are required to have a schedule for the upcoming semester and a transcript from the previous semester, both of which should be presented to the Academic Supervisor during consultations. Taking multiple courses with overlapping schedules is not permitted. Students are expected to complete the Study Plan and consultation process in person.

3. The Academic Supervisor holds the authority to approve or decline courses based on the student's academic potential and capabilities. The credit workload a student can undertake is contingent on their Grade Point Average (GPA) from the preceding semester, in accordance with the university guidelines as indicated in the table below. It is the Academic Supervisor's responsibility to ensure that the plan aligns with the performance of the previous semester.

GPA from Prior Semester	Normal Workload	Maximum Workload
> 3.00	21 Credits	24 Credits
2.50–2.99	18 Credits	21 Credits
2.00–2.49	15 Credits	18 Credits
1.50–1.99	12 Credits	15 Credits
< 1.50	-	12 Credits

Notes:

1. Once the Academic Supervisor grants approval, students are required to submit the filled and approved study plan to the Administration Office.
2. The submission of the Study Plan must be within the designated timeframe, with delays exceeding 1 week not being tolerated.
3. For students returning to active status after an academic leave, the workload is determined based on the GPA of the last semester prior to the leave.

CHANGE AND CANCELLATION OF STUDY PLAN

1. Modifications and cancellations of the Study Plan are to be executed in accordance with the pre-established schedule within the academic calendar. This is accomplished by completing the Study Plan Changes form, which must subsequently receive approval from the academic supervisor. It's important to acknowledge that students bear full responsibility for any negligence or errors in the completion of the Study Plan.
2. In addition to obtaining approval from the academic supervisor, students are also obligated to inform the respective course lecturer in the event of a course cancellation.

PREREQUISITE SYSTEM

A prerequisite system is applied to some courses.

1. Courses with a grade of C can be enhanced or retaken for remediation based on the terms and conditions set by the lecturer.
2. To enroll in the thesis course, students must have completed all theoretical courses and obtained approval from the academic supervisor.

RE-TAKING COURSES

As per the resolution of the senate meeting in August 2013, the GPA calculation takes into consideration the highest score attained by the student. In alignment with this policy, the department permits students to retake courses in instances where the grades obtained are below C.

LEARNING ACTIVITIES

LECTURING ACTIVITIES

1. Students of MURP must follow the study activity according to the degree program's curriculum.
2. The learning activity in MURP at the very least consist of:
   a. lectures and studio,
   b. thesis proposal preparation,
   c. research for thesis,
   d. presentation of the research,
   e. scientific article writing for publication,
   f. thesis writing, and
   g. other activities that support the achievement of competence.

3. The learning activities within MURP, as indicated in number (1), encompass a total workload of 45 credits, comprising:
   a. general basic lecture/Mata Kuliah Dasar Umum (MKDU) in Faculty of Engineering UGM, accounting for 1 Credits,
   b. classes and planning studios, accounting for 34 credits, dan
   c. research and thesis writing, amounting to 10 credits. This includes 8 credits for thesis research, and 2 credits for Pre-Thesis, Thesis Defense, and Scientific Publication.

4. Research and thesis writing may be submitted in the form of other scientific papers and will be evaluated in accordance with the terms outlined in the curriculum.

ACADEMIC SCHEDULING

Studies at the master's level are designed to foster students' initiative and creativity in seeking information and expanding their knowledge base. While students still benefit from their lecturers, the emphasis is on independent sourcing from literature, seminars, discussions, and more. Consequently, students are required to effectively manage their time and activities, ensuring they can engage in browsing, reading, discussions, seminars, and other endeavors.

1. Academic activities (classes, studio, etc.) in MURP occurs from Monday-Friday (working hours) with the exception of holidays and previous changes or agreement.
2. Saturday is reserved for events that are not scheduled in class, either in groups or individual activities, such as discussion, literature study, guest lectures, surveys and field activities, and extracurricular activities.
3. The management gives access (information or organizing activities) to academic activities that are held by the degree program, department, faculty, university, or other institutions, local or international.
4. Consultations with the academic supervisor or lecturers can be done in workdays or other days depends on the appointment with the person concerned. The lecturers will accept appointment requests from all students. Students can contact the lecturers by meeting them after class, outside of class by contacting (message or call), or through the Administration Office of MURP to make an appointment.

LEARNING ADMINISTRATION

In all learning activities, either in the form of lectures or studio, students must fill in the student attendance and cannot be represented by others. If a student's attendance falls below 75%, they will be ineligible to participate in the final examinations or studio final presentations. Students are required to

participate in all activities (lectures, practices, and other activities) on their study plan in accordance with the stipulated terms and conditions. These activities are scheduled within the following timeframe.

Session–   1: 07.00–07.50   4: 10.00–10.50   7: 13.00–13.50
            2: 08.00–08.50   5: 11.00–11.50   8: 14.00–14.50
            3: 09.00–09.50   6: 12.00–12.50   9: 15.00–15.50

THESIS RESEARCH, THESIS DEFENSE, AND PUBLICATION DUTY
THESIS RESEARCH AND THESIS DEFENCE TERMS
1. Thesis writing can be done after students finish their theoretical classes or finish retaking their courses.
2. MURP students are required to undergo thesis defense.
3. The thesis defense will be lead by the thesis supervisor.
4. Students are eligible for thesis defense if they have attained a minimum of 3.00 GPA.
5. The grading system for thesis defense includes categories of "pass with or without revisions" or "not pass/fail."
6. The outcomes of the thesis defense are represented using a numerical scale ranging from 0 to 4.
7. A successful thesis defense without revisions corresponds to a grade of 3 or higher.
8. A thesis defense that does not meet the requirements/not pass/fail receives a grade below 3.
9. Students who undergo the thesis defense and do not achieve a passing grade have the opportunity to retake the test once.
10. The process of thesis research, including thesis proposal writing, seminars, and thesis defense, is guided by the thesis supervisor(s). Students can have a maximum of 2 supervisors.
11. Upon completing the thesis research process, the students are required to self-upload their theses to the ETD UGM: Theses and Dissertation Repistory, the guideline for this procedure can be accessed at https://ugm.id/etdunggah.

KEWAJIBAN PUBLIKASI DAN ATURAN PLAGIARISME
1. Publication duty in UGM is based on the Rector's Decree No. 11 Year 2016 regarding Postgraduate Studies, article 51 paragraph 2(c) regarding Publication as a Graduation Requirement
2. The graduation requirement pertaining to scientific publication mandates the inclusion of at least one article derived from the approved thesis research. This article should be accepted by an editor for publication in a scientific journal or seminar proceedings and should adhere to ethical writing standards.
3. This approval is presented in the form of communication evidence and/or a certificate from the editor, which should be appended to the manuscript.
4. MURP UGM is strongly committed to promoting and facilitating education and awareness initiatives concerning plagiarism prevention. A comprehensive guide on plagiarism is accessible through the UGM Library page at the following link http://lib.ugm.ac.id/ind/?page_id=327 and through a online learning via https://mepi.ugm.ac.id.
5. MURP UGM will facilitate means to educate students regarding plagiarism.
6. Teachers at UGM MURP have the authority to impose sanctions on students found guilty of plagiarism. This may result in an E grade for the course in question, and if the student retakes the course, the highest achievable grade will be limited to a C.
7. Both MURP and UGM retain the right to revoke a degree and impose sanctions in the event that instances of plagiarism are detected in the scientific work produced by students.

LEARNING PROCESS EVALUATION

TYPE OF LEARNING PROCESS EVALUATION

Evaluation of the learning process in MURP can done through:

1. mid-term and final examinations,
2. thesis proposal presentation,
3. research progress report, and
4. thesis defense

Examinations can take the form of scheduled exams or other formats as determined by the lecturer within the learning agreement. Evaluation on the course outcomes can also be done through other aforementioned evaluations.

ASSESSMENT AND GRADING

Assessment and grading of students' studies and courses occur at least once per semester. These evaluations take the form of written examinations, oral examinations, presentations, and displays. Additionally, assessments consider factors like assignments and in-class participation.

The mid-term and final examinations adhere to the academic calendar and are organized by a designated committee within the degree program. During examinations, students are required to arrive on time and bring essential items such as the examination card, study plan, and Student ID. Adherence to all examination rules is mandatory. Consequences of student absence during examinations include:

1. If absence is due to the student's negligence, the opportunity to take the examination will be forfeited.
2. In cases where absence results from illness (supported by a medical certificate), authorized leave from the university/faculty/department (documented by an official letter), or other unfortunate circumstances (such as a family death), students are eligible for make-up examinations. Documentation should be submitted to the Administration Office within three days of the examination date. Students can be tolerated, subject to approval from the examination committee and the degree program's management, and will be granted permission to take make-up examinations.

The final grade for a course is determined based on multiple components, including assignments, both mid-term and final examinations (oral or written), and presentations/displays. This final grade is assigned on an alphabetical scale: A (Very good), B (Good), C (Enough), and 0 (Incomplete). These grades have gradations such as A, A-, A/B, B+, B, B-, C, D, and E (please refer to the alphabetical grade-to-numerical grade conversion provided below).

GPA

The study evaluation of students is done by calculating the GPA on each semester. Evaluation must be done at the end of each semester. To calculate the GPA, the alphabetical grade must be converted to the numerical grade with weighted values as elaborated on the list below.

Alphabetical Grade Followed by Numerical Grade

A	4.00	B+	3.25	C	2.00
A-	3.75	B	3.00	D	1.00
A/B	3.50	B-	2.75	E	0.00

By using these weighted values, the GPA can be calculated with this formula.

$$GPA = \frac{\text{Total (amount of credits x weighted value)}}{\text{Total amount of credits taken}}$$

The GPA ranges from 0.00 to 4.00.

LENGTH OF STUDY EVALUATION AND EXTENSION OF STUDY

The length of study of MURP ranges from 3 semesters (the shortest) to 6 semesters (the longest). The evaluation is given to determine which students can continue their studies in MURP. The evaluation done in MURP is as follows.

Early Learning Evaluation

At the end of the first year (2nd semester) of studies, students of MURP must have obtained a minimum of 15 credits with a minimum GPA of 3,00. Students who do not meet the requirement are not allowed to take the thesis course until the determined time by the Department or Faculty. If within 1 additional semester the student still has not met the minimum requirement, the student is not allowed to continue their studies and is deemed to resign or drop out. The study program management will give warning letters on the first-year study evaluation.

End of Learning Evaluation

End of Learning Evaluation in MURP is done with these terms.
1. The students who by the end of the 3rd semester have not finished all the studies with a minimum GPA of 3,00 will receive the First Warning Letter,
2. the students who by the end of the 4th semester have not finished all the studies with a minimum GPA of 3,00 will receive the Second Warning Letter, and
   3. the students who by the end of the 5th semester have not finished all the studies with a minimum GPA of 3,00 will receive Third Warning Letter and will be given a chance to finish their studies within 1 semester.

STUDY RESULT CARD MECHANISM
1. The Study Result Card/*Kartu Hasil Studi (KHS)* is accessible for download on the Simaster page for each students.
2. Students who receive scholarships might need to submit reports of their achievements and corresponding evidence for verification. These students can log their achievements in their respective Simaster accounts, and subsequently, the results can be printed along with the KHS. This combined documentation requires approval from the Study Program manager.
3. KHS is considered confidential.

GRADUATION REQUIREMENTS, JUDISIUM, AND GRADUATE HONORS
GRADUATE REQUIREMENTS
Students are considered graduated when they have fulfilled the curriculum requirements, which include:

1. meeting the following criterias:
   a. achieving a minimum GPA of 3.00,
   b. obtaining no grades of D or E,
   c. successfully passing the thesis defense,
   d. submitting an authorized thesis manuscript endorsed/signed by the Head of the Faculty or the Head of the Department, and

e. publishing at least one scientific article from their thesis research that meets the standards for publication or having a Letter of Acceptance to prove that the thesis is eligible for the publication and in the process of being published; and

2. being officially declared as graduates through the judicium court process conducted by the department and faculty.

JUDICIUM

Judicium is a formal process aimed at determining students' eligibility for graduation based on academic and administrative prerequisites. This process occurs once every month and approximately one month before the scheduled graduation ceremony. The assessment takes place within a judicium court organized by the department and faculty.

ACADEMIC HONORS

The academic honors for postgraduate students are as follows.
1. Graduating with Honors
   Awarded if the graduate has a GPA more than 3.75.
2. Very Satisfactory
   Awarded if the graduate has a GPA between 3.51 until 3.75.
3. Satisfactory
   Awarded if the graduate has a GPA between 3.25 until 3.50.

CURRICULUM

LEARNING PROFILE

OUTCOME BASED ASSESMENT LEARNING SYSTEM

MURP UGM implements an Outcome-Based Assessment (OBA) learning system. This approach ensures that each study material and assessment component is designed to attain specific Course Learning Outcomes (CLO) for every course. The CLOs, in turn, correspond to Program Learning Outcomes (PLO). These PLOs collectively formulate the graduate profile or Program Educational Objectives (PEO) which outlines the competency that a graduate acquires as a result of their educational experience. The interconnection between these elements can be illustrated as follows.
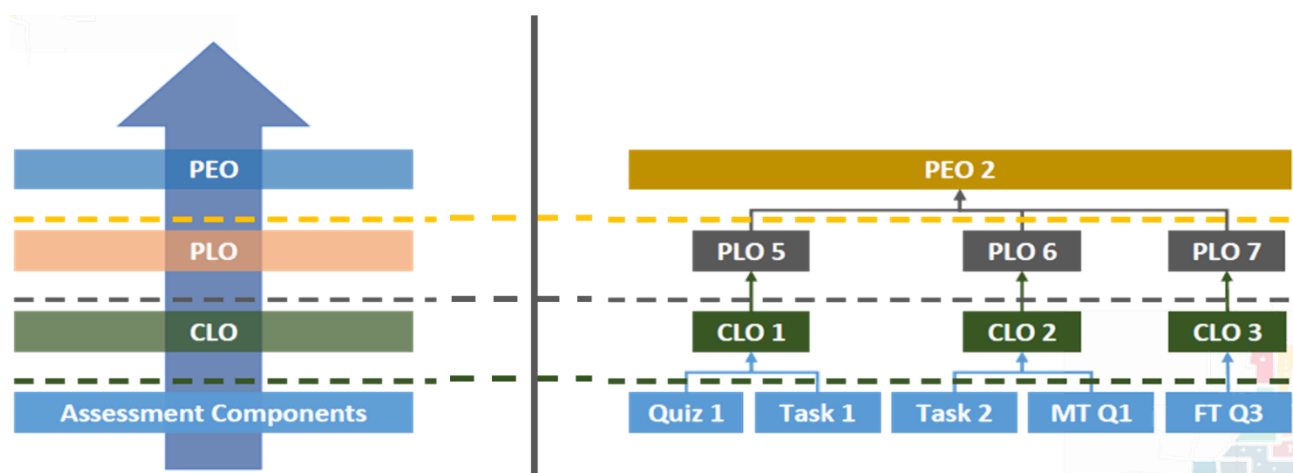
PROGRAM EDUCATIONAL OBJECTIVE (PEO)

The profile of MURP UGM graduate is as follows.

> "Graduates of the Master of Urban and Regional Planning UGM are able to serve as a professional planner, researcher, and urban and regional manager and facilitator at the mid-career level who are reliable, communicative, agile, critical, creative, dan innovative in the field of spatial planning and development."

The operational description of the keywords printed in bold in the graduate profile is as follows.

1. Prosessional planner
   Graduates are able to carry out key roles in various activities in the planning cycle as part of the professional responsibilities.
2. Researcher
   Graduates adeptly apply the scientific method in conducting scientific research and developing the knowledge.
3. Urban and regional manager and facilitator
   Graduates competently execute urban and regional management functions, with extending beyond bureaucratic roles. They are primed for diverse opportunities in future regional and urban management.
4. Mid-career

Graduates are at a professional level that equiped with substantial experience and skill and undertaking higher decision-making responsibilities. However, they need to continue pursuing further experience and enhancing their personal quality and skills.

5. Reliable
   Graduates are trusted to fulfill their responsibilities due to their technical proficiency and integrity.
6. Communicative
   Graduates effectively communicate, negotiate, and collaborate with diverse communities and stakeholders using various appropriate approaches.
7. Agile
   Graduates are adabtable to various changes, resilient enough to be able to solve challenges and problems, and independently become lifelong learners.
8. Critical, Creative, and Innovative
   Graduates are able to carry out critical assesments of various issues and planning practices, as well as develop and apply creative and innovative ideas to provide solutions to urban and regional problems.
9. Spatial Planning and Development
   Graduates are able to master and implement the entire spatial planning and development cycle from the process of formulating plans, implementing, monitoring and evaluating, to improving future plans in a visionary manner based on a scientific approach.

PROGRAM LEARNING OUTCOME (PLO)

PLO in MURP UGM is divided into four, they are attitude, general skill, knowledge, and specific skill assessment. All of them also known in Bahasa as *penilaian sikap, keterampilan umum, pengetahuan,* and *keterampilan khusus* respectively. The detail for each aspect can be shown as follows.

Attitude/*Sikap* (S)	
S-1	Able to uphold to human values based on *Pancasila* (Indonesian state philosophy) and belief in one almighty God.
S-2	Able to demonstrate the ability to work independently or collaboratively with professionals from diverse fields in a manner that upholds integrity and adheres to academic ethics, professional ethics, community and state ethics, as well as relevant regulations and laws.
S-3	Able to take positions and roles needed to respond regional and urban development issues based on a strong sense of nationalism, social awareness towards society and the environment, and a genuine commitment to the well-being of the state and nation.
General Skill/*Keterampilan Umum (KU)*	
KU-1	Able to develop ideas, formulate alternatives, and make decisions logically, critically, systematically, creatively, and innovatively according to actual conditions based on considerations from various perspectives.
KU-2	Able to communicate, negotiate, and collaborate effectively and efficiently with various stakeholders to convey ideas professionally and develop networks locally, nationally, and globally.
KU-3	Able to conduct contextual research and communicate the results for knowledge development and problem solving in the field of urban and regional planning, in accordance with scientific principles and academic ethics.
Knowledge/*Pengetahuan (P)*	
P-1	Mastering the paradigms, theories, concepts, methods, and supporting applications based on information technology in the field of urban and regional spatial planning and development.
P-2	Mastering norms, standards, processes, and procedures in the cycle of urban and regional spatial planning and development.
Specific Skill/*Keterampilan Khusus (KK)*	

KK-1	Able to formulate policy and planning for sustainable urban and regional development, as well as strategies for the implementation based on rational and comprehensive analysis of prevailing conditions, potentials, and challenges.
KK-2	Able to manage and coordinate formal and informal processes in making decision on urban and regional planning and development effective and systematically.
KK-3	Able to develop critical studies and innovative recommendations on planning systems, process, and methods based on accountable scientific arguments.
KK-4	Able to select and utilize supporting information technology systems within the planning field appropriately to process and communicate data that supports the practice of preparing, implementing, evaluating, and controlling plans.

CORRELATION BETWEEN PEO AND PLO

The mapping of correlation between PEO and PLO is indicated by the following-colored notation.

PEO Keywords	S1	S2	S3	KU1	KU2	KU3	P1	P2	KK1	KK2	KK3	KK4
Professional planner	■	■	■	■	■		■	■	■	■		■
Researcher	■	■	■		■	■	■	■			■	■
Manager and facilitator	■	■	■	■	■		■	■		■	■	■
Mid-career		■	■	■	■	■	■	■	■	■	■	
Spatial planning and development				■	■	■	■	■	■			■
Reliable	■	■		■	■	■	■	■				
Communicative		■			■					■	■	■
Agile		■	■	■	■				■	■		
Critical, creative, and innovative				■	■	■			■	■	■	

COURSE DESIGN

COURSE CONCENTRATION DESIGN

To achieve the predetermined PEO, students can select from three distinct concentrations that align with their individual interests and needs. These concentrations are structured around three fundamental spatial ontologies commonly found in planning: neighborhood planning, urban planning, and regional planning. Upon selecting their concentration, students will be taught about the concentration in three mandatory course types: courses related to studios, economics, and development management. Additionally, students are encouraged to delve deeper into their chosen concentration by engaging with relevant courses. Apart from concentration-specific courses, students will also participate in more generally applicable courses that span across the three concentrations. These encompass courses related to planning theories and methodologies.
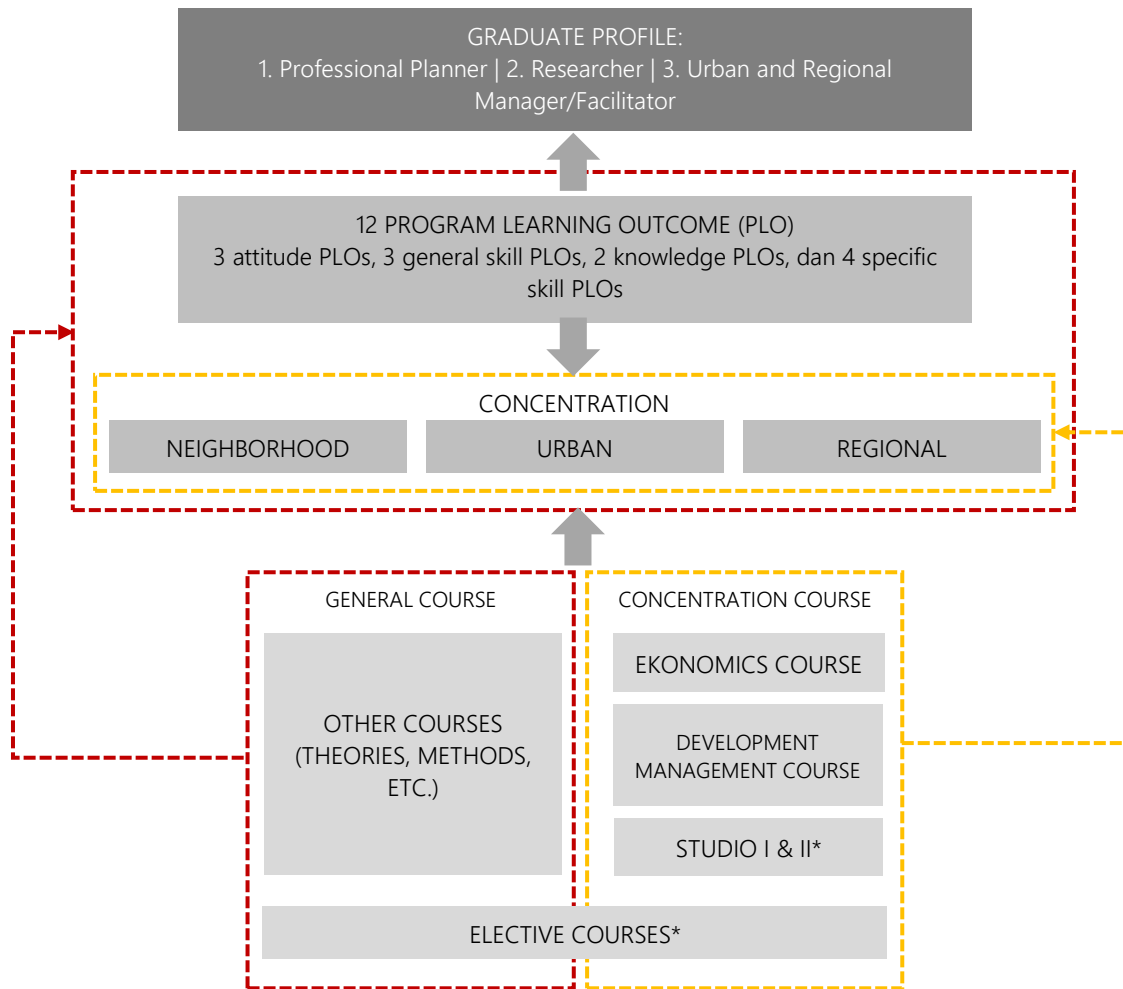
Note:
* The course is available in several thematic options which will be explained in the next sub-chapter.

Courses for Concentration	Concentration Based on Spatial Ontology		
	Neighborhood Planning	Urban Planning	Regional Planning
Economics			
Land and Housing Economics	■		
Urban Economics		■	
Regional Economics			■
Financing Infrastructure	■	■	■
Environmental Economics	■	■	■
Neighborhood Economics	■		
Smart Economics		■	
Development Management			
Housing Development Policy and Management	■		
Urban Management		■	
Regionals Cooperation Management			■
Infrastructure Management	■	■	
Real Estate Assets Management	■	■	
Urban Environmental Management	■		■
Neighborhood Management	■		
Urban Management		■	
Smart City Management		■	

Courses for Concentration	Concentration Based on Spatial Ontology		
	Neighborhood Planning	Urban Planning	Regional Planning
Region Management			
Studio 1			
Urban Housing Planning and Development Policy			
Urban Planning and Development			
Regional Planning and Development			
Urban Heritage Planning and Development	Alternative 1	Alternative 2	
Urban or Regional Infrastructure Planning and Development		Alternative 1	Alternative 2
Commercial Housing Planning and Development			
Urban Environmental Planning			
Creative and Resilient Cities Planning and Development			
Smart Living Planning			
Smart Environment Planning		Alternative 1	Alternative 2
Smart Economy Planning		Alternative 1	Alternative 2
Smart Mobility Planning	Alternative 1	Alternative 2	Alternative 3
Smart Disaster Management		Alternative 1	Alternative 2
Smart Infrastructure Planning	Alternative 1	Alternative 2	Alternative 3
Studio 2			
Urban Housing Regeneration			
Urban Neighborhood Planning and Development			
Rural Neighborhood Planning and Development			
Heritage Neighbourhood Planning and Development			
Infrastructure Planning and Development		Alternative 1	Alternative 2
Property Non - Housing/Residential Planning and Development			
Landscape Planning (Regional, Urban, and Rural)	Alternative 1	Alternative 2	
Smart Cities Infrastructure			
Smart Living Planning and Development			
Smart Environment Planning and Development		Alternative 1	Alternative 2
Smart Economy Planning and Development		Alternative 1	Alternative 2
Smart Mobility Planning and Development	Alternative 1	Alternative 2	Alternative 3
Smart Disaster Planning and Management		Alternative 1	Alternative 2
Smart Resource Planning and Development	Alternative 1	Alternative 2	Alternative 3

THEMATIC SPECIALIZATION DESIGN

In addition to the division into three spatial ontologies, MURP UGM offers students the opportunity for thematic specialization. This specialization is particularly can be explored through studio courses. Within these studios, various thematic areas are provided for exploration. For instance, there are Cultural Heritage Planning, Infrastructure Planning and Management, Real Estate Planning, Environment and Landscape Planning, and Smart Cities and Regions themes.

Students have the liberty to opt for their preferred thematic specialization. However, for students enrolled in the Smart City and Region Thematic Collaboration Program (collaboration with local government), it is obligatory to select a studio that aligns with the Smart City and Region specialization.

Studio Courses for Supporting the Thematic Specialization		Thematic				
		Cultural Heritage Planning	Infrastructure Planning and Management	Real Estate Planning	Environment and Landscape Planning	Smart Cities and Regions
Studio 1	Urban Housing Planning and Development Policy			■		
	Urban Planning and Development	■	■	■	■	■
	Regional Planning and Development	■	■	■	■	■
	Urban Heritage Planning and Development	■				
	Urban or Regional Infrastructure Planning and Development		■			
	Commercial Housing Planning and Development			■		
	Urban Environmental Planning				■	
	Creative and Resilient Cities Planning and Development					■
	Smart Living Planning					■
	Smart Environment Planning					■
	Smart Economy Planning					■
	Smart Mobility Planning					■
	Smart Disaster Management					■
	Smart Infrastructure Planning					■
Studio 2	Urban Housing Regeneration	▨	▨	▨	▨	▨
	Urban Neighborhood Planning and Development	▨	▨	▨	▨	▨
	Rural Neighborhood Planning and Development		▨		▨	
	Heritage Neighbourhood Planning and Development	▨				
	Infrastructure Planning and Development		▨			
	Property Non - Housing/Residential Planning and Development			▨		
	Landscape Planning (Regional, Urban, and Rural)				▨	
	Smart Cities Infrastructure					▨
	Smart Living Planning and Development					▨
	Smart Environment Planning and Development					▨
	Smart Economy Planning and Development					▨
	Smart Mobility Planning and Development					▨
	Smart Disaster Planning and Management					▨
	Smart Resource Planning and Development					▨

STRUCTURE OF CURRICULUM

Accordance to MURP UGM 2022 curriculum, students are required to fulfill a total of 45 credits that normally distributed within four semesters as follows.

Complex	Semester 1 (17 Credits)	Semester 2 (12 Credits)	Semester 3 (8 Credits)	Semester 4 (8 Credits)
Theory	Development Theories 2 Credits Planning Theories 2 Credits Spatial Theories 3 Credits Philosophy of Science (**) 1 Credit	Spatial Economics (*) 2 Credits Development Management (*) 2 Credits	Elective Course (*) 2 Credits Elective Course (*) 2 Credits Elective Course (*) 2 Credits	
Studio	Planning Methods, Techniques, and Process I 3 Credits Planning Studio I (*) 4 Credits	Planning Methods, Techniques, and Process II 2 Credits Planning Studio II (*) 4 Credits		
Thesis	Statistics 2 Credits	Research Methodology 2 Credits	Pre-Thesis 2 Credits	Thesis 8 Credits

Notes:

* Courses or sub-classes are available to support the students' concentration and specialization. The elective courses list is available in the LIST OF ELECTIVE COURSES chapter below. However, not all the listed courses will be available for each semester. Before the beginning of the semester, the student will be asked by the Administrator to fill out a form to vote which courses that shall be held in the next semester.

** The course is a general basic course or *Mata Kuliah Dasar Umum (MKDU)* that is facilitated by Faculty of Engineering for all major in the faculty.

In addition to Elective Courses and *MKDU*, the rest of the courses are designated as Compulsory Courses.

For the students enrolled in the Smart Cities and Regions Thematic Collaboration Program, there are three specific courses that must be completed to align with their chosen specialization. These courses are taken when non-collaboration program students undertake the three Elective Courses in their third semester. Although these courses are obligatory for Smart Cities and Regions Thematic Collaboration Program students, non-collaboration program students also have the opportunity to take these courses and will be counted as Elective Course courses. The three courses encompass: "Smart Cities: Context, Policy, and Government," "Smart City Technology," and "Big Data Analytics."

STRUCTURE OF OPERATIONAL CURRICULUM

The study program management provides students with flexibility to fulfill the entire credits within a study period of three semesters. This option can be optimized based on individual student capabilities. The specific courses distribution details for the three semesters are as follows.

Complex	Semester 1 (17 Credits)	Semester 2 (16 Credits)	Semester 3 (14 Credits)	Semester 4 (0 Credits)
Theory	Development Theories 2 Credits	Spatial Economics (*) 2 Credits	Elective Course (*) 2 Credits	
	Planning Theories 2 Credits	Development Management (*) 2 Credits	Elective Course (*) 2 Credits	
	Spatial Theories 3 Credits		Elective Course (*) 2 Credits	
	Philosophy of Science (**) 1 Credit			
Studio	Planning Methods, Techniques, and Process I 3 Credits	Planning Methods, Techniques, and Process II 2 Credits		
	Planning Studio I (*) 4 Credits	Planning Studio II (*) 4 Credits		
Thesis	Statistics 2 Credits	Research Methodology 2 Credits	Thesis 8 Credits	
		Pre-Thesis 2 Credits		

Notes:
* Courses or sub-classes are available to support the students' concentration and specialization. The elective courses list is available in the LIST OF ELECTIVE COURSES chapter below. However, not all the listed courses will be available for each semester. Before the beginning of the semester, the student will be asked by the Administrator to fill out a form to vote which courses that shall be held in the next semester.
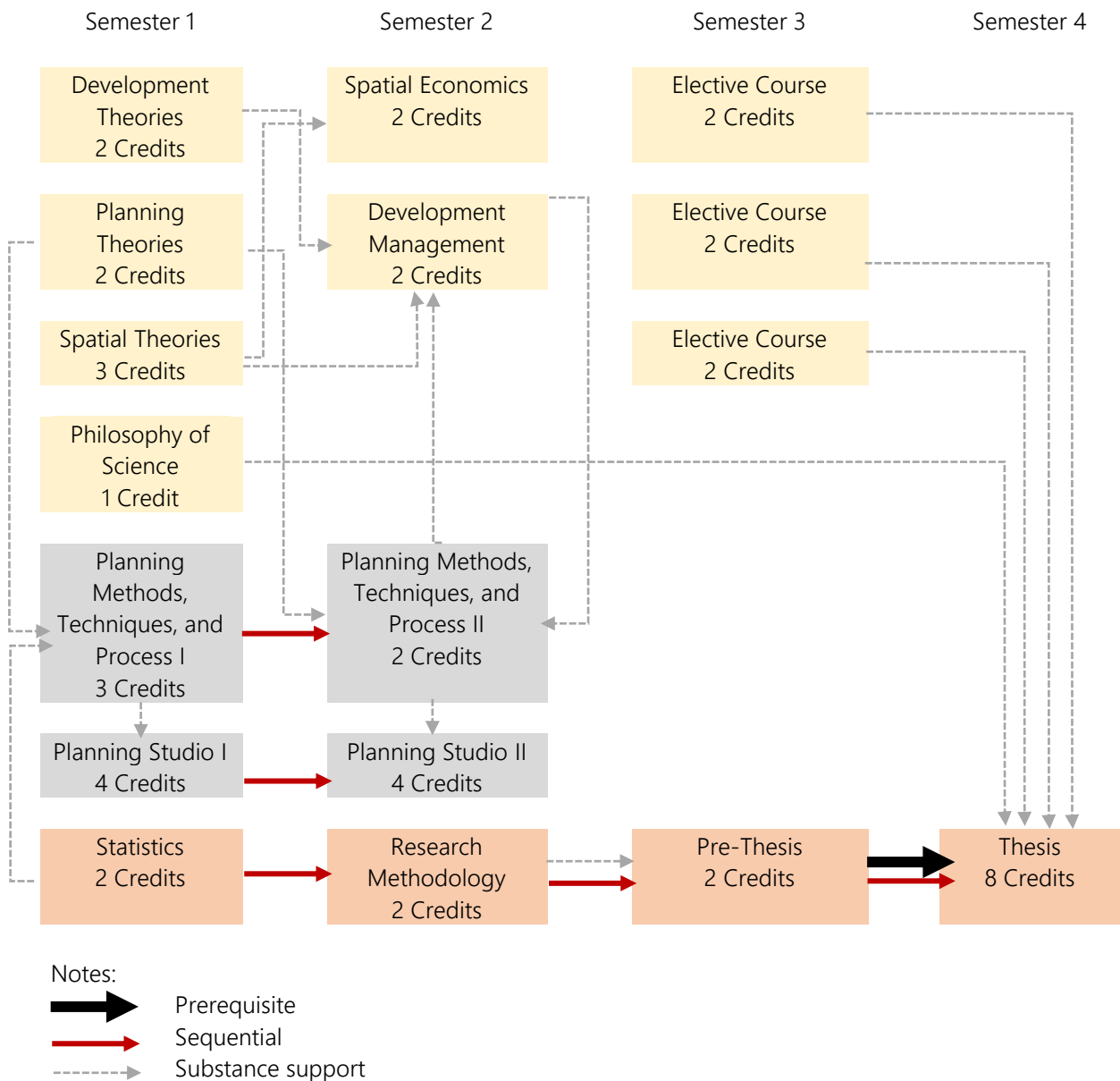** The course is a general basic course or *Mata Kuliah Dasar Umum (MKDU)* that is facilitated by Faculty of Engineering for all major in the faculty.
In addition to Elective Courses and *MKDU*, the rest of the courses are designated as Compulsory Courses.
The note for the students enrolled in the Smart Cities and Regions Thematic Collaboration Program is the same as the previous page.

COURSES ORGANISATON

In the course implementation, a prerequisite system is applied, for instance for students who are taking the thesis courses. This system dictates that students who are going to take the thesis course should have completed all theoretical courses and obtained approval from the relevant supervisor. Moreover, beyond the prerequisite system, the organization of courses also considers relationships between different courses. These relationships can take the form of "substance support," where one course serves as the foundation or source of material for other courses, as well as "sequential," indicating a sequential progression or process. To visualize these relationships, refer to the following chart.

Semester 1	Semester 2	Semester 3	Semester 4
Development Theories 2 Credits	Spatial Economics 2 Credits	Elective Course 2 Credits	
Planning Theories 2 Credits	Development Management 2 Credits	Elective Course 2 Credits	
Spatial Theories 3 Credits		Elective Course 2 Credits	
Philosophy of Science 1 Credit			
Planning Methods, Techniques, and Process I 3 Credits	Planning Methods, Techniques, and Process II 2 Credits		
Planning Studio I 4 Credits	Planning Studio II 4 Credits		
Statistics 2 Credits	Research Methodology 2 Credits	Pre-Thesis 2 Credits	Thesis 8 Credits

Notes:
➡ Prerequisite
➡ Sequential
⇢ Substance support

SYLLABUS FOR COMPULSARY COURSES

LIST OF COMPULSORY COURSES

Number	Compulsory Course	Concentration	Code	Credit
Semester 1				17
1	Development Theory	-	TKP1761101	2
2	Planning Theory	-	TKP1761102	2
3	Spatial Theory	-	TKP1761103	3
4	Process and Planning Method and Technique I	-	TKP1761104	3
5	Statistics	-	TKP1761105	2
6	Planning Studio I	a. Planning Studio 1: Urban Housing Planning and Development Policy	TKP1761SP1	4
		b. Planning Studio 1: Urban Planning and Development	TKP1761SK1	4
		c. Planning Studio 1: Regional Planning and Development	TKP1761SW1	4
		d. Planning Studio 1: Urban Heritage Planning and Development	TKP1761SH1	4
		e. Planning Studio 1: Urban or Regional Infrastructure Planning and Development	TKP1761SI1	4
		f. Planning Studio 1: Commercial Housing Planning and Development	TKP1761SR1	4
		g. Planning Studio 1: Urban Environmental Planning	TKP1761SL1	4
		h. Planning Studio 1: Creative and Resilient Cities Planning and Development	TKP1761ST1	4
		i. Planning Studio 1: Smart Living Planning	TKP1761CH1	4
		j. Planning Studio 1: Smart Environment Planning	TKP1761CL1	4
		k. Planning Studio 1: Smart Economy Planning	TKP1761CE1	4
		l. Planning Studio 1: Smart Mobility Planning	TKP1761CM1	4
		m. Planning Studio 1: Smart Disaster Management	TKP1761CD1	4
		n. Planning Studio 1: Smart Infrastructure Planning	TKP1761CI1	4
7	Philosophy of Science		TKFT226101	1
Semester 2				12
8	Spatial Economics	a. Land and Housing Economics	TKP1762EP	2
		b. Urban Economics	TKP1762EK	2
		c. Regional Economics	TKP1762EW	2
		d. Financing Infrastructure	TKP1762EI	2
		e. Environmental Economics	TKP1762EL	2
		f. Neighborhood Economics	TKP1762ES	2
		g. Smart Economics	TKP1762EC	2
9	Development Management	a. Housing Development Policy and Management	TKP1762MP	2

Number	Compulsory Course	Concentration	Code	Credit
		b. Urban Management	TKP1762MK	2
		c. Regionals Cooperation Management	TKP1762MW	2
		d. Infrastructure Management	TKP1762MI	2
		e. Real Estate Assets Management	TKP1762MR	2
		f. Urban Environmental Management	TKP1762ML	2
		g. Neighborhood Management	TKP1762MS	2
		h. Urban Management	TKP1762MT	2
		i. Region Management	TKP1762MY	2
		j. Smart City Management	TKP1762MC	2
10	Process and Planning Method and Technique II	-	TKP1762201	2
11	Research Methodology	-	TKP 1762202	2
12	Planning Studio II	a. Planning Studio 2: Urban Housing Regeneration	TKP1762SP2	4
		b. Planning Studio 2: Urban Neighborhood Planning and Development	TKP1762SK2	4
		c. Planning Studio 2: Rural Neighborhood Planning and Development	TKP1762SW2	4
		d. Planning Studio 2: Heritage Neighbourhood Planning and Development	TKP1762SH2	4
		e. Planning Studio 2: Infrastructure Planning and Development	TKP1762SI2	4
		f. Planning Studio 2: Property Non - Housing/Residential Planning and Development	TKP1762SR2	4
		g. Planning Studio 2: Landscape Planning (Regional, Urban, and Rural)	TKP1762SL2	4
		h. Planning Studio 2: Smart Cities Infrastructure	TKP1762ST2	4
		i. Planning Studio 2: Smart Living Planning and Development	TKP1762CH2	4
		j. Planning Studio 2: Smart Environment Planning and Development	TKP1762CL2	4
		k. Planning Studio 2: Smart Economy Planning and Development	TKP1762CE2	4
		l. Planning Studio 2: Smart Mobility Planning and Development	TKP1762CM2	4
		m. Planning Studio 2: Smart Disaster Planning and Management	TKP1762CD2	4
		n. Planning Studio 2: Smart Resource Planning and Development	TKP1762CI2	4
Semester 3				2
13	Pre-Thesis		TKP 1771301	2
Semester 4				8
14	Thesis		TKP 172401	8
Total Credits for Compulsory Courses in 4 Semesters				39

SYLLABUS FOR COMPULSORY COURSES
TKP 17-6-1-101 Development Theory (2 Credits)–Semester 1

This course provides knowledge of the development theory and paradigm with its implications for development practices in Indonesia. Students will also be invited to think critically to development theories that exist in Indonesia and formulate a more effective solution. In this course, students become active participants by giving presentations in class for each week according to the designed topics.

Course Learning Outcomes (CLO):
1. Able to explain the concept, theory, and paradigm of development.
2. Able to critique the implications of the use of development concepts, theories, and paradigms from Indonesia's own experience as well as other countries.
3. Able to take the necessary position and role to respond to contextual development issues.

Subjects:
1. Tracking of the development ideas
2. Concepts, dimensions, development indicators
3. Paradigm of modernisation, growth, equity
4. Dependency and world system paradigm
5. People centered and freedom centered paradigm
6. Sustainable development paradigm
7. Post-development paradigm
8. *Millenium Development–Sustainable Development*
9. Poverty dimension
10. Demographic and socio-cultural dimensions
11. Capacity building and empowerment
12. Community development
13. Governance and development
14. Development experience in Indonesia

Literature:
Budiman, Arief. 1995. *Teori Pembangunan Dunia Ketiga.* Jakarta: PT. Gramedia Pustaka Utama.
McMichael, P. 2004. *Development and Social Change: A Global Perspective.* SAGE Publications, Inc.
Michael P.T. and Smith, S.C. 2014. *Economic Development*, 12th Edition. Boston, Mass Addison-Wesley.
Preston, P.W. 1996. *Development Theory.* Oxford; Cambridge, Mass.: Blackwell Publishers.
Rapley, J. 1996. *Understanding Development: Theory and Practice in The Third World.* Boulder Col.: Lynne Riener Publisher, Inc.
Reitsma, H.A. and J.M.G. Kleinpening. 1985. *The Third World in Perspective.* Assen, The Netherland: Von Gorcum & Comp.

TKP 17-6-1-102 Planning Theory (2 Credits)–Semester 1

This course provides students with knowledge on the history and planning theory paradigm within urban and regional planning context including the people who are working within it. Students will also be given a deeper knowledge about the theory of planning and theory of planning.

CLO:
1. Able to explain various planning genres and paradigms from planner figures.
2. Able to evaluate, compare, and criticize the concept, model, and process of planning in planning practice.

3. Able to take the necessary position and role to respond to contextual development issues.

Subjects:
1. Basic Understanding of Planning Theory
2. Planning Theory in Indonesia
3. History and Model of Planning
4. Implications of Planning Theory in Planning Systems in Indonesia
5. Planning Practice in Indonesia
6. Politics and Ethics of Urban Planning

Literature:
Campbell, S. and Fainstein, S.S. 2011. *Readings in Planning Theory* (3rd edition). Wiley-Blackwell.
Friedmann, J. 1987. *Planning in The Public Domain: From Knowledge to Action.* Princeton University Press.
Taylor, Nigel. 1998. *Urban Planning Theory since 1945.* Sage Publications.
Peraturan Pemerintah dan Peraturan Menteri Terkait Penataan Ruang
Undang-undang Nomor 26 Tahun 2007 tentang Penataan Ruang and Undang-Undang Nomor 6 Tahun 2023 tentang Cipta Kerja

TKP 17-6-1-103 Spatial Theory (3 Credits)–Semester 1

This course gives students an understanding of space concepts within the urban and regional scale. The course will begin with an introduction to space and spatial context, as well as elements and factors which affect the spatial, including the interaction between humans and others. The student is also given an understanding of spatial system analysis and the synthesis process, as well as the application of spatial strategies and policies, institutional, and spatial management, with various case of analysis and spatial plan.

CLO:
1. Able to explain concept, principle, and theory of space in various scales and its impacts.
2. Able to categorize, make typology, and make a concept of space in various scales and discuss the existing principles and theories.
3. Able to criticize and apply concept, principle, and theory of space in various scales in the relevant issue and context.

Subjects:
1. Introduction to space and spatial
2. Elements and factors of spatial influence
3. Concepts, scales, and dimensions of space
4. Dimensions and physical variables of space
5. Manifestation of space and place
6. Human interaction, activities, and space
7. Classification and typology of space
8. The development of space theory and concept
9. Various methods and space engineering
10. Spatial analysis and synthesis
11. Application of spatial strategies and policies
12. Institutional and spatial management
13. Spatial analysis cases
14. Spatial planning cases

Literature:

Alonso W, Location Theory, L Needleman,(ed), *Regional Analysis, Selected Readings*, Penguin Books.

Birch, E. L. (Ed.). 2008. *The Urban and Regional Planning Reader.* Routledge, New York.

Bourne, LS & Simmons, JW. 1978. *Systems of Cities*, Oxford University Press.

Casey, E. S. 1998. *The Fate of Place: A Philosophical History.* Califórnia University Press, Berkeley.

Cresswell, T. 2003. *Place: Short Introduction.* Blackwell Publishing, Malden (MA).

Doxiadis, K. A. 1968. *Ekistics: An Introduction to the Science of Human Settlements*. Oxford University Press, New York.

DPU, 2008, UU 26/2007 tentang penataan Ruang.

Fyfe, N. R.; Kenny, J. T. (Eds.). 2005. *The Urban Geography Reader*. Routledge, New York. Gottdiener, M.; Budd, L. 2005. *Key Concepts in Urban Studies.* Sage Publications, London.

Jayadinata, J.T. 1999. *Tata Guna Tanah dalam Perencanaan Pedesaan, Perkotaan dan Wilayah.* ITB

LeGates, R. T.; Stout, F. (Eds.). 2011. *The City Reader.* Routledge, New York.

Richardson HW. 1969. *Regional economics; Location theory, Urban Structure & Regional Change*. Weidenfield & Nicolson.

Richardson HW. 1969. *Regional economics; Location theory, Urban Structure & Regional Change*. Weidenfield & Nicolson.

Rustiadi E dkk. 2009. *Perencanaan dan Pengembangan Wilayah*. YOI.

Sassen, S. 2006. *Territory, Authority, Rights: From Medieval to Global Assemblages*. Princeton University Press, Princeton (NJ).

Short, JR. 1984. *An Introduction to Urban Geography*. Routledge & Kegan Paul, London.

Tarigan R. 1988. *Perencanaan Pembangunan wilayah*. Bumi Aksara.

TKP 17-6-1-104 Process and Planning Method and Technique I (3 Credits)–Semester 1

This course provides data acquisition capability method to understand and identify the spatial and development case character, reviewing plans and development outcomes, identifying and formulating problems, setting goals, developing and choosing the alternatives, and developing programs and their implementation tools for macro level of spatial and sector planning.

CLO:
1. Able to explain process, technique, and method of planning in various contexts and scales.
2. Able to implement various methods and techniques for spatial analyzing and planning.
3. Able to apply various methods and techniques for decision making.
4. Able to utilize information technology that supports the suitable use of planning techniques and methods.
5. Able to choose methods and techniques needed to respond to planning issues responsibly.

Subjects:
1. Introduction and Survey Techniques
2. Population Analysis (Regional)
3. Population Analysis (Urban)
4. Social Analysis
5. Economic Analysis (Regional)
6. Economic Analysis (Urban)
7. Land suitability analysis
8. Social and Public Facility Analysis
9. Public Policy Analysis

Literature:

Adioetomo, Sri Moertaningsih. 2010. *Dasar-Dasar Demografi*. Salemba Empat. Lembaga Demografi FE UI

Baja, Sumbangan. 2012. *Perencanaan tata Guna Lahan dalam Pengembangan Wilayah*. Andi: Yogyakarta

Krueckeberg, Donald A. 1974. *Urban Planning Analysis*. John Wiley & Sons, New York.

Menshenbeng, M.J. 1976. *The Language of Zoning: Glossary of Words and Phrases*. ADPS: Chicago

Muta'ali, Lutfi. 2012. *Daya dukung Lingkungan untuk Perencanaan Pengembangan Wilayah*. Yogyakarta: Fakultas Geografi

Suminar, Ratna Eka. 2013. *Sesi 1–Metode dan teknik Analisis Kota: MK Metode dan Teknik Analisis Kota*. Yogyakarta.

Warpani, Suwardjoko. 1984. *Analisis Kota dan Daerah*. Penerbit ITB, Bandung.

Yeates, Maurice dan Garner, Barry. 1980. *The North American City*. Harper & Row: San Fransisco

Planning Studio I (4 Credits)–Semester 1

Specialization Studio I contains cases related to specializations, but they are more macro in nature: broader rather than deeper, for instance, the Housing Development Policy Studio in Settlement, Area, and Community Planning theme of specialization; Urban Development Studio for Urban Planning theme of specialization; Regional Development Studio for Regional and Rural Planning theme of specialization; Cultural Heritage Urban Development Planning Studio for Cultural Heritage Area Planning and Management theme of specialization; Infrastructure Planning & Management Studio (Regional or Urban) for Infrastructure Planning and Management theme of specialization; Commercial Housing Development Planning Studio for Real Estate Planning theme of specialization; Urban Environmental Planning Studio for Environmental and Landscape Planning theme of specialization; and Development Studio (Creative City or Resilient City) for Smart City Planning theme of specialization. This course is mandatory, but students must select it according to their chosen concentration.

a. TKP 17-6-1-SP1 Studio I Urban Housing Planning and Development Policy (4 Credits)

In this course the students will practice/simulate the policy of urban housing planning and development.

CLO:
1. Able to identify problems and potentials in urban settlement for the sustainability of human life.
2. Able to set goals for urban housing planning in accordance with *RPJP* (Long-term Indonesian development planning document), *RTRW* (Long-term Indonesian spatial planning document), and other planning documents.
3. Able to formulate and communicate plans/programs for the implementation of urban housing development.
4. Able to work effectively and professionally both independently and in a group.
5. Able to understand processes and procedures in planning.
6. Able to utilize information technology to analyze and formulate spatial planning.

b. TKP 17-6-1-SK1 Studio I Urban Planning and Development (4 Credits)

In this course the students will practice/simulate the policy of urban planning and development.

CLO:
1. Able to identify problems and potentials in urban development for the sustainability of human life.
2. Able to set goals for urban development planning in accordance with *RPJP* (Long-term Indonesian development planning document), *RTRW* (Long-term Indonesian spatial planning document), and other planning documents.

3. Able to formulate and communicate plans/programs for the implementation of urban development planning.
4. Able to work effectively and professionally both independently and in a group.
5. Able to understand processes and procedures in planning.
6. Able to utilize information technology to analyze and formulate spatial planning.

c. TKP 17-6-1-SW1 Studio I Regional Planning and Development (4 Credits)

In this course the students will practice/simulate the policy of regional planning and development.

CLO:
1. Able to identify problems and potentials in regional planning and development for the sustainability of human life.
2. Able to set goals for regional planning and development in accordance with *RPJP* (Long-term Indonesian development planning document), *RTRW* (Long-term Indonesian spatial planning document), and other planning documents.
3. Able to formulate and communicate plans/programs for the implementation of regional planning and development.
4. Able to work effectively and professionally both independently and in a group.
5. Able to understand processes and procedures in planning.
6. Able to utilize information technology to analyze and formulate spatial planning.

d. TKP 17-6-1-SH1 Studio I Urban Heritage Planning and Development (4 Credits)

In this course the students will practice/simulate the policy of urban heritage planning and development.

CLO:
1. Able to identify problems and potentials in urban heritage planning and development for the sustainability of human life.
2. Able to set goals for urban heritage planning and development in accordance with *RPJP* (Long-term Indonesian development planning document), *RTRW* (Long-term Indonesian spatial planning document), and other planning documents.
3. Able to formulate and communicate plans/programs for the implementation of urban heritage planning and development.
4. Able to work effectively and professionally both independently and in a group.
5. Able to understand processes and procedures in planning.
6. Able to utilize information technology to analyze and formulate spatial planning.

e. TKP 17-6-1-SI1 Studio I Urban or Regional Infrastructure Planning and Development (4 Credits)

In this course the students will practice/simulate the policy of urban or regional infrastructure planning and development.

CLO:
1. Able to identify problems and potentials in urban or regional infrastructure planning and development for the sustainability of human life.
2. Able to set goals for urban or regional infrastructure planning and development in accordance with *RPJP* (Long-term Indonesian development planning document), *RTRW* (Long-term Indonesian spatial planning document), and other planning documents.
3. Able to formulate and communicate plans/programs for the implementation of urban or regional infrastructure planning and development.

4. Able to work effectively and professionally both independently and in a group.
5. Able to understand processes and procedures in planning.
6. Able to utilize information technology to analyze and formulate spatial planning.

f. TKP 17-6-1-SR1 Studio I Commercial Housing Planning and Development (4 Credits)

In this course the students will practice/simulate the policy of commercial housing planning and development.

CLO:
1. Able to identify problems and potentials in commercial housing planning and development for the sustainability of human life.
2. Able to set goals for commercial housing planning and development in accordance with *RPJP* (Long-term Indonesian development planning document), *RTRW* (Long-term Indonesian spatial planning document), and other planning documents.
3. Able to formulate and communicate plans/programs for the implementation of commercial housing planning and development.
4. Able to work effectively and professionally both independently and in a group.
5. Able to understand processes and procedures in planning.
6. Able to utilize information technology to analyze and formulate spatial planning.

g. TKP 17-6-1-SL1 Studio I Urban Environmental Planning (4 Credits)

In this course the students will practice/simulate the policy of urban environmental planning.

CLO:
1. Able to identify problems and potentials in urban environmental planning for the sustainability of human life.
2. Able to set goals for urban environmental planning in accordance with *RPJP* (Long-term Indonesian development planning document), *RTRW* (Long-term Indonesian spatial planning document), and other planning documents.
3. Able to formulate and communicate plans/programs for the implementation of urban environmental planning.
4. Able to work effectively and professionally both independently and in a group.
5. Able to understand processes and procedures in planning.
6. Able to utilize information technology to analyze and formulate spatial planning.

h. TKP 17-6-1-ST1 Studio I Creative and Resilient Cities Planning and Development (4 Credits)

In this course the students will practice/simulate the policy of creative and resilient cities planning and development.

CLO:
1. Able to identify problems and potentials in creative and resilient cities planning and development for the sustainability of human life.
2. Able to set goals for creative and resilient cities planning and development in accordance with *RPJP* (Long-term Indonesian development planning document), *RTRW* (Long-term Indonesian spatial planning document), and other planning documents.
3. Able to formulate and communicate plans/programs for the implementation of creative and resilient cities planning and development.
4. Able to work effectively and professionally both independently and in a group.
5. Able to understand processes and procedures in planning.

6. Able to utilize information technology to analyze and formulate spatial planning.

i. TKP 17-6-1-CH1 Studio I Smart Living Planning (4 Credits)

In this course the students will practice/simulate the policy of smart living planning.

CLO:
1. Able to identify problems and potentials in smart living planning for the sustainability of human life.
2. Able to set goals for smart living planning in accordance with *RPJP* (Long-term Indonesian development planning document), *RTRW* (Long-term Indonesian spatial planning document), and other planning documents.
3. Able to formulate and communicate plans/programs for the implementation of smart living planning.
4. Able to work effectively and professionally both independently and in a group.
5. Able to understand processes and procedures in planning.
6. Able to utilize information technology to analyze and formulate spatial planning.

j. TKP 17-6-1-CL1 Studio I Smart Environment Planning (4 Credits)

In this course the students will practice/simulate the policy of smart environment planning.

CLO:
1. Able to identify problems and potentials in smart living planning for the sustainability of human life.
2. Able to set goals for smart environment planning in accordance with *RPJP* (Long-term Indonesian development planning document), *RTRW* (Long-term Indonesian spatial planning document), and other planning documents.
3. Able to formulate and communicate plans/programs for the implementation of smart environment planning.
4. Able to work effectively and professionally both independently and in a group.
5. Able to understand processes and procedures in planning.
6. Able to utilize information technology to analyze and formulate spatial planning.

k. TKP 17-6-1-CE1 Studio I Smart Economy Planning (4 Credits)

In this course the students will practice/simulate the policy of smart economy planning.

CLO:
1. Able to identify problems and potentials in smart economy planning for the sustainability of human life.
2. Able to set goals for smart economy planning in accordance with *RPJP* (Long-term Indonesian development planning document), *RTRW* (Long-term Indonesian spatial planning document), and other planning documents.
3. Able to formulate and communicate plans/programs for the implementation of smart economy planning.
4. Able to work effectively and professionally both independently and in a group.
5. Able to understand processes and procedures in planning.
6. Able to utilize information technology to analyze and formulate spatial planning.

l. TKP 17-6-1-M1 Studio I Smart Mobility Planning (4 Credits)

In this course the students will practice/simulate the policy of smart mobility planning.

CLO:
1. Able to identify problems and potentials in smart mobility planning for the sustainability of human life.
2. Able to set goals for smart mobility planning in accordance with *RPJP* (Long-term Indonesian development planning document), *RTRW* (Long-term Indonesian spatial planning document), and other planning documents.
3. Able to formulate and communicate plans/programs for the implementation of smart mobility planning.
4. Able to work effectively and professionally both independently and in a group.
5. Able to understand processes and procedures in planning.
6. Able to utilize information technology to analyze and formulate spatial planning.

m. TKP 17-6-1-CD1 Studio I Smart Disaster Management (4 Credits)

In this course the students will practice/simulate the policy of smart disaster management.

CLO:
1. Able to identify problems and potentials in smart disaster management for the sustainability of human life.
2. Able to set goals for smart disaster management in accordance with *RPJP* (Long-term Indonesian development planning document), *RTRW* (Long-term Indonesian spatial planning document), and other planning documents.
3. Able to formulate and communicate plans/programs for the implementation of smart disaster management.
4. Able to work effectively and professionally both independently and in a group.
5. Able to understand processes and procedures in planning.
6. Able to utilize information technology to analyze and formulate spatial planning.

n. TKP 17-6-1-CI1 Studio I Smart Infrastructure Planning (4 Credits)

In this course the students will practice/simulate the policy of smart infrastructure planning.

CLO:
7. Able to identify problems and potentials in smart infrastructure planning for the sustainability of human life.
8. Able to set goals for smart infrastructure planning in accordance with *RPJP* (Long-term Indonesian development planning document), *RTRW* (Long-term Indonesian spatial planning document), and other planning documents.
9. Able to formulate and communicate plans/programs for the implementation of smart infrastructure planning.
10. Able to work effectively and professionally both independently and in a group.
11. Able to understand processes and procedures in planning.
12. Able to utilize information technology to analyze and formulate spatial planning.

TKP 17-6-1-105 Statistics (2 Credits)–Semester 1

In this course students, students will be introduced to several of quantitative analysis methods that are widely used in planning and scientific research such as hypothetical testing, correlation to regression.

CLO:
1. Able to explain concepts of basic statistics and understand the use of statistical supporting tools in planning and scientific research.
2. Able to critically evaluate suitable statistical methods for planning cases and scientific research.
3. Able to perform calculations using a statistical approach in planning and scientific research.

Subjects:
1. Introduction
2. Scientific Research
3. Descriptive Statistics
4. Population and Sampling
5. Probability and Variety of Distribution
6. Inference Statistics: Estimates
7. Hypothesis Testing
8. Correlation
9. Application of statistics in research
10. Simple Regression
11. Regression as an analysis in research
12. Multiple Regression (multiple regression)

Literature:
Bryman, Alan. 2012. *Social Research Methods*, 4th edition.
De Vaus, D. A. 2002. *Surveys in Social Research.* Allen & Unwin, Sydney.
Healey, J. 1996. *Statistics: A Tool for Social Research*. Wadsworth Publishing Company, California.
Meier, K. J., and Brudney, J. L.. 1989. *Applied Statistics for Public and Nonprofit Administration.*
Sudjana. 1992. *Metoda Statistika.* Penerbit Tarsito, Bandung.

Spatial Economics (2 Credits)–Semester 2

This course contains developmental material from the basic theory of economics that focused on specific utility according to the scope of specialization: for instance, for the concentration of Settlement, Area, and Community Planning, as well as the Real Estate theme, the economics course focuses on land and housing economics; for the concentration of Urban Planning and the theme of Cultural Heritage Area Planning and Management, the economics course focuses on Urban Economics; for the theme of Infrastructure Planning and Management and Smart Region and City Planning, the economics course focuses on Infrastructure Financing; for the concentration of Regional and Rural Planning, the economics course focuses on Regional Economics; and for the theme of Environmental and Landscape Planning, the economic course focuses on Environmental Economics.

Literature:
Armstrong, H. and J. Taylor. 2000. *Regional Economic and Policy.* Third Edition. Oxford, U.K. Blackwell Publishers.
Bendavid-Val, Avrom. 1991. *Regional and Local Economic Analysis for Practitioners*. Fourth edition. Westport, Connecticut: Praeger.
Committee on Review of Geographic Information Systems Research and Applications. 2003. *GIS for Housing and Urban Development*. http://www.nap.edu/catalog/10674.html

Ford, Jonathan. 2009. *Grids, Patterns & Sustainable Infrastructure: New Partners for Smart Growth*

Friedmann, J. and W. Alonso (eds). 1975. *Regional Policy: Readings in Theory and Application*. Cambridge, Mass. The M.I.T. Press.

Hasselaar, E. 2006. *Health Performance of Housing: Indicators and Tools.*

Higgins, Benjamin and Donald J. Savoei. 1995. *Regional Development Theories & Their Application.* New Brunswick, N.J. Transaction Publisher.

Hoover, E.M. and F. Giarratani. 1984. *An Introduction to Regional Economics*. New York: Alfred A. Knopf.

Jenkins, P, Smith H, & Wang YP, 2007. *Planning and Housing in the Rapidly Urbanising World.*

Kusno, A. 2012. *Politik ekonomi perumahan rakyat dan utopia Jakarta.*

McKee, D.L., R.D. Dean, and W.H. Leahly. 1970. *Regional Economics: Theory and Practice.,* New York: The Free Press.

O'Sullivan, Arthur, 2004. *Urban Economics.* Fifth Edition. New York: McGraw-Hill & Irwin.

Pvayne, G & Majale, M. 2004. *The Urban Housing Manual.*

Pedoman Umum Rumah Sederhana Sehat

Richardson, H.W. 1978. *Regional & Urban Economics*. New York: Penguin Books.

Silas, Johan. 1989. *"Perjalanan Panjang Perumahan Indonesia, dalam dan sekitar abad XX"*

Smith, David M. 1981. *Industrial Location: An Economic Geographical Analysis.* Second Edition. New York: John Wiley & Sons.

Sustainable Neighbourhood Planning for The Region: Neighbourhood Scale

a. TKP 17-6-2-EP a. Land and Housing Economics (2 Credits)

CLO:
1. Able to explain basic economic theories that can be used for planning analysis, such as supply demand, production possibility frontier, the low of diminishing return, transport cost theory, and rational choice theory.
2. Able to criticize the economic system that influence the merits and demerits of the land and housing market and argue for economic/financial scheme to solve a problem of public, self-help, and commercial housing development, or integration between the three.
3. Able to set urban housing goal and develop plans/program for the implementation of urban housing development in accordance with RPJP (Long-term Indonesian development planning document), RTRW (Long-term Indonesian spatial planning document), and other planning documents.

b. TKP 17-6-2-EK Urban Economics (2 Credits)

CLO:
1. Able to explain basic economic theories that can be used for planning analysis, such as supply demand, production possibility frontier, the low of diminishing return, transport cost theory, and rational choice theory.
2. Able to criticize the economic system related to development from a spatial perspective, such as examining the functional position and role of the urban areas in the regional economy (market area analysis).
3. Able to argue for a suitable urban economic development approach for a particular context (issues, space, time/development phase).

c. TKP 17-6-2-EW Regional Economics (2 Credits)

CLO:
1. Able to explain basic economic theories that can be used for planning analysis, such as supply demand, production possibility frontier, the low of diminishing return, transport cost theory, and rational choice theory.

2. Able to criticize the economic system related to development from a spatial perspective, such as examining the urban system that forms the spatial structure and regional economy.
3. Able to argue for a suitable regional economic development approach for a particular context (issues, space, time/development phase).

d. TKP 17-6-2-E Financing Infrastructure (2 Credits)

CLO:
1. Able to explain basic economic theories that can be used for planning analysis, such as supply demand, production possibility frontier, the low of diminishing return, transport cost theory, and rational choice theory.
2. Able to understand various system of public infrastructure financing both good and bad in term of its efficiency, effectiveness, and susitainability.
3. Able to argue for a suitable financing scheme for development, operational, and maintenance of a certain type of infrastructure.

e. TKP 17-6-2-EL Environmental Economics (2 Credits)

CLO:
1. Able to explain basic economic theories that can be used for planning analysis, such as supply demand, production possibility frontier, the low of diminishing return, transport cost theory, and rational choice theory.
2. Able to criticize ongoing economic phenomena that theraten environmental sustainability, such as externalities, misdirected subsidies, and ecological footprint.
3. Able to argue for a suitable approach/instrument to address an environmental problem for a particular context (issues, space, time/development phase).

f. TKP 17-6-2-ES Neighborhood Economics (2 Credits)

CLO:
1. Able to explain basic economic theories that can be used for planning analysis, such as supply demand, production possibility frontier, the low of diminishing return, transport cost theory, and rational choice theory.
2. Able to criticize economic phenomena in neighborhood scale using a spatial perspective.
4. Able to argue for a suitable neighborhood economic approach for a particular context (issues, space, time/development phase).

g. TKP 17-6-2 EC Smart Economics (2 Credits)

CLO:
1. Able to explain basic economic theories that can be used for planning analysis, such as supply demand, production possibility frontier, the low of diminishing return, transport cost theory, and rational choice theory.
2. Able to criticize economic instrument for city or regional scale in developing smart city or region.
3. Able to argue for a suitable smart economic approach for a particular context (issues, space, time/development phase).

Development Management (2 Credits)–Semester 2

This course contains developmental material from the basic theory of development management that focused on specific utility according to the scope of specialization: for instance, for the concentration of Settlement, Area, and Community Planning, the development management course focuses on Housing Development Policy and Management; for the concentration of Urban Planning, the theme of Cultural Heritage Area Planning and Management, as well as Smart Region and City Planning, the

development management course focuses on Urban Management; for the Regional and Rural Planning concentration as well as the theme of Infrastructure Planning and Management and Smart Region and City Planning, the development management focuses on Regional Collaboration Management; the theme of Infrastructure Planning and Management, the development management course focuses on Infrastructure Management; and last for Real Estate Planning theme, the development management course focuses on Real Estate Asset Management.

Literature:

Cheema, Shabbir. 1993. *Urban Management: Policies and Innovations in Developing Countries. Westport,* Conn: Praeger

Devas, Nick and Carole Rakodi eds. 1993. *Managing Fast Growing Cities: New Approaches to Urban Planning and Management in the Developing World.* New York: Longman Scientific and Technical.

Goggin, Malcolm L. et al. 1990. *Implementation Theory and Practice: Toward a Third Generation.* Glennview, Illinois: Scott, Foresman and Co.

Levy, John M. 1997. *Contemporary Urban Planning, 4th ed.* New Jersey: Prentice-Hall.

Mazmanian, Daniel A. and Paul A. Sabatier. 1983. *Implementation and Public Policy.* Glenview, Illinois: Scott, Foresman and Co. Nakamura, Robert T. and Frank Smallwood. 1980. *The Politics of Policy Implementation.* New York: St. Martin's Press.

So, Frank S. et al. 1979. *The Practice of Local Government Planning.* Washington D.C.: International City Management Association.

Suselo, Hendropranoto et al. Eds. 1995. *Indonesia's Urban Infrastructure Development Experience: Critical Lessons of Good Practice.* UNCHS

a. TKP 17-6-2-MP Housing Development Policy and Management (2 Credits)

CLO:
1. Able to explain the relationship between theory, practice, and development management techniques in the process of developing, implementing, and controlling spatial plans, as well as particular housing development plans and housing development.
2. Able to critically identify and discuss housing development issues in relation to existing policies, regulations, and institutions in Indonesia, and compare them with the experiences from other countries.
3. Able to argue for a suitable land management instrument and housing development scheme for a particular context (issues, space, time/development phase).

b. TKP 17-6-2-MK Urban Management (2 Credits)

CLO:
1. Able to explain the relationship between theory, practice, and development management techniques in the process of developing, implementing, and controlling spatial plans, as well as particular urban management development.
2. Able to critically identify and discuss urban development issues in relation to existing policies, regulations, and institutions in Indonesia, and compare them with the experiences from other countries.
3. Able to argue for a suitable urban development scheme (for certain sector) for a particular context (issues, space, time/development phase).

c. TKP 17-6-2-MW Regionals Cooperation Management (2 Credits)

CLO:

1. Able to explain the relationship between theory, practice, and development management techniques in the process of developing, implementing, and controlling spatial plans, as well as particular cooperation development plans.
2. Able to critically identify and discuss cooperation in development issues in relation to existing policies, regulations, and institutions in Indonesia, and compare them with the experiences from other countries.
3. Able to argue for a suitable cooperation development scheme for the management of a sector (economy/infrastructure) for a particular context (issues, space, time/development phase).

d. TKP 17-6-2-MI Infrastructure Management (2 Credits)

CLO:
1. Able to explain the relationship between theory, practice, and development management techniques in the process of developing, implementing, and controlling spatial plans, as well as particular infrastructure plans.
2. Able to critically identify and discuss infrastructure management development issues in relation to existing policies, regulations, and institutions in Indonesia, and compare them with the experiences from other countries.
3. Able to argue for a particular infrastructure management scheme that is efficient, effective, and sustainable.

e. TKP 17-6-2-MR Real Estate Assets Management (2 Credits)

CLO:
1. Able to explain the relationship between theory, practice, and development management techniques in the process of developing, implementing, and controlling spatial plans, as well as particular commercial area.
2. Able to critically identify and discuss real estate area development issues from business perspective in relation to existing policies, regulations, and institutions in Indonesia, and compare them with the experiences from other countries.
3. Able to argue for a particular finance scheme and development management of real estate that is suitable with the regulation and supporting urban planning plan.

f. TKP 17-6-2-ML Urban Environmental Management (2 Credits)

CLO:
1. Able to explain the relationship between theory, practice, and development management techniques in the process of developing, implementing, and controlling spatial plans, as well as environmental management.
2. Able to critically identify and discuss urban environmental management issues in relation to existing policies, regulations, and institutions in Indonesia, and compare them with the experiences from other countries.
3. Able to argue for a management instrument to solve an environmental problem in a certain context.

g. TKP 17-6-2-MS Neighborhood Management

CLO:
1. Able to explain the relationship between theory, practice, and development management techniques in the process of developing, implementing, and controlling spatial plans, as well as neighborhood management.

2. Able to critically identify and discuss neighborhood management issues from business perspective in relation to existing policies, regulations, and institutions in Indonesia, and compare them with the experiences from other countries.
3. Able to argue for a suitable financing and management of neighborhood development in accordance with regulations and can support the urban development plans.

h. TKP 17-6-2-MT Urban Management

CLO:
1. Able to explain the relationship between theory, practice, and development management techniques in the process of developing, implementing, and controlling spatial plans, as well as urban management.
2. Able to critically identify and discuss urban management issues from business perspective in relation to existing policies, regulations, and institutions in Indonesia, and compare them with the experiences from other countries.
3. Able to argue for a suitable financing and management of urban development in accordance with regulations and can support the urban development plans.

i. TKP 17-6-2-MY Regional Management

CLO:
1. Able to explain the relationship between theory, practice, and development management techniques in the process of developing, implementing, and controlling spatial plans, as well as regional management.
2. Able to critically identify and discuss regional management issues from business perspective in relation to existing policies, regulations, and institutions in Indonesia, and compare them with the experiences from other countries.
3. Able to argue for a suitable financing and management of regional development in accordance with regulations and can support the urban development plans.

j. TKP 17-6-2-MC Smart City and Regional Management

CLO:
1. Able to explain the relationship between theory, practice, and development management techniques in the process of developing, implementing, and controlling spatial plans, as well as smart city and regional management.
2. Able to critically identify and discuss smart city and regional management issues from business perspective in relation to existing policies, regulations, and institutions in Indonesia, and compare them with the experiences from other countries.
3. Able to argue for a suitable financing and management of smart city and regional development in accordance with regulations and can support the urban development plans.

TKP 17-6-2-201 Process and Planning Method & Technique II (2 Credits)

This course provides data acquisition method to understand and identify the character of the case, reviewing plans and development outcomes, identifying and formulating problems, setting goals, developing and choosing the alternatives, and developing programs and their implementation tools for micro level of spatial and sector planning.

CLO:
1. Able to master the metods and techniques needed for formulating investment patterns and implementation schemes for implementing spatial/land use and sector development.

2. Able to apply the necessary processes and procedures for decision making in the selection of spatial/land use implementation schemes for sector development.
3. Able to utilize information technology that can be used for formulating the implementation schemes for land use in sector development.
4. Able to responsibly choose an implementation approach/scheme that is responsive to certain encountered conditions.

Literature:
Arsyad, Lincolin. 1999. *Pengantar Perencanaan dan Pembangunan Ekonomi Daerah*. BPFE UGM. Yogyakarta
Aziz, I.J. 1994. *Ilmu Ekonomi Regional dan beberapa Aplikasinya di Indonesia*. Jakarta: Lembaga Penerbit Fakultas Ekonomi Universitas Indonesia.
Bendavid-Val, A. 1991. *Regional and Local Economic Analysis for Practitioners*. London: Preager. Blakey, E.J. 1994. *Planning Local Economic Development.* London: SAGE.
Committee on Review of Geographic Information Systems Research and Applications. 2003. *GIS for Housing and Urban Development*. http://www.nap.edu/catalog/10674.html
Daluarti, Meitri HC. *Perencanaan Kota*.
Fleurbaey, M. 2008. *Individual well-being and social welfare: Notes on the theory*.
Ford, Jonathan. 2009. *Grids, Patterns & Sustainable Infrastructure: New Partners for Smart Growth*
Gordon, G.L. 1993. *Strategic Planning for Local Government*. Washington, D.C.: The International City.
Hasselaar, E. 2006. *Health Performance of Housing: Indicators and Tools.*
Hoover, E.M, dan Giarratani, F. 1971. *An Introduction to Regional Economics*. New York: Alfred A. Knopf, Inc.
Jenkins, P, Smith H, & Wang YP. 2007. *Planning and Housing in the Rapidly Urbanising World.*
LaGro, J. 2008. *Site Analysis: A Contextual Approach to Sustainable Land Planning and Site Design*
Migdal, J.S 1998. *Strong Societies and Weak States: State Society Relations and State Capabilities in The World.* New Jersey: Princeton University Press.
O'Sullivan, A. 1993. *Essentials of Urban Economics*. Boston: IRWIN.
Payne, G & Majale, M. 2004. *The Urban Housing Manual.*
Rondinelli, D.A, 1985. *Applied Methods of Regional Analysis: The Spatial Dimensions of Development Policy*. America: Westview Press.
Sugiana, Kawik. 2005. *Bunga Rampai Pembangunan Kota Abad 21; Keterkaitan Desa-Kota di Indonesia*. Jakarta: URDI dan Yayasan Sugijanto Soegijoko.
Sustainable Neighbourhood Planning for The Region: Neighbourhood Scale
Zahnd, M. (1999). *Perancangan Kota Secara Terpadu*. Yogyakarta: Penerbit Kanisius; Soegijapranata University Press.

Planning Studio II (4 Credits)–Semester 2

This course contains cases related to the specialization, but they are more specific in nature. These cases are more detailed or partial and are derived from the framework established in Studio I. In Studio II, the focus is deeper rather than broader. For example, the Urban Regeneration Studio for the Settlement, Area, and Community Planning concentration; Urban Area Planning Studio for Urban Planning concentration; Rural Area Development Studio for Regional and Rural Planning concentration; Cultural Heritage Area Development Studio for the Cultural Heritage Area Planning and Management theme; Infrastructure Planning & Management Studio for the Infrastructure Planning and Management theme; Non-Housing Property Development Planning Studio for the Real Estate Planning theme; Landscape Planning Studio (Urban or Rural) for the Environmental and Landscape Planning theme; and Smart City Infrastructure Studio for the Smart Region and City Planning theme. This course is mandatory but must be chosen according to the concentration selected by the students.

a. TKP 17-6-2-SP2 Studio II Urban Housing Revitalization (4 Credits)

In this course the students will practice/simulate to create urban regeneration planning and development.

CLO:
1. Able to understand the process and procedures of urban regeneration planning.
2. Able to identify opportunities, challenges, stakeholders, investment capacity, and influential institutions in realizing urban regeneration plans.
3. Able to identify physical plans, investment plans, and feasibility analysis for urban regeneration plans.
4. Able to formulate and communicate the implementation scheme in urban regeneration plans.
5. Able to utilize information technology for analyzing and creating urban regeneration plans.
6. Able to work effectively and professionally both independently and in a group.

b. TKP 17-6-2-SK2 Studio II Urban Neighborhood Planning and Development (4 Credits)

In this course the students will practice/simulate to create an urban planning and development.

CLO:
1. Able to understand the process and procedures of urban planning.
2. Able to identify opportunities, challenges, stakeholders, investment capacity, and influential institutions in realizing urban plans.
3. Able to identify physical plans, investment plans, and feasibility analysis for urban plans.
4. Able to formulate and communicate the implementation scheme in urban plans.
5. Able to utilize information technology for analyzing and creating urban plans.
6. Able to work effectively and professionally both independently and in a group.

c. TKP 17-6-2-SW2 Studio II Rural Neighborhood Planning and Development (4 Credits)

In this course the students will practice/simulate to create rural neighborhood planning and development.

CLO:
1. Able to understand the process and procedures of rural neighborhood planning.
2. Able to identify opportunities, challenges, stakeholders, investment capacity, and influential institutions in realizing rural neighborhood plans.
3. Able to identify physical plans, investment plans, and feasibility analysis for rural neighborhood plans.
4. Able to formulate and communicate the implementation scheme in rural neighborhood plans.
5. Able to utilize information technology for analyzing and creating rural neighborhood plans.
6. Able to work effectively and professionally both independently and in a group.

d. TKP 17-6-2-SH2 Studio II Heritage Neighborhood Planning and Development (4 Credits)

In this course the students will practice/simulate to create heritage neighborhood planning and development.

CLO:
1. Able to understand the process and procedures of heritage neighborhood planning.
2. Able to identify opportunities, challenges, stakeholders, investment capacity, and influential institutions in realizing heritage neighborhood plans.

3. Able to identify physical plans, investment plans, and feasibility analysis for heritage neighborhood plans.
4. Able to formulate and communicate the implementation scheme in heritage neighborhood plans.
5. Able to utilize information technology for analyzing and creating heritage neighborhood plans.
6. Able to work effectively and professionally both independently and in a group.

e. TKP 17-6-2-SI2 Studio II Infrastructure Planning and Development (4 Credits)

In this course the students will practice/simulate to create infrastructure planning and development based on certain sector approach, such as transportation, water, garbage, etc.

CLO:
1. Able to understand the process and procedures of infrastructure planning.
2. Able to identify opportunities, challenges, stakeholders, investment capacity, and influential institutions in realizing infrastructure plans.
3. Able to identify physical plans, investment plans, and feasibility analysis for infrastructure plans.
4. Able to formulate and communicate the implementation scheme in infrastructure plans.
5. Able to utilize information technology for analyzing and creating infrastructure plans.
6. Able to work effectively and professionally both independently and in a group.

f. TKP 17-6-2-SR2 Studio II Property Non-Housing/Residential Planning and Development (4 Credits)

In this course the students will practice/simulate to create non-housing/residential planning and development.

CLO:
1. Able to understand the process and procedures of non-housing/residential planning.
2. Able to identify opportunities, challenges, stakeholders, investment capacity, and influential institutions in realizing non-housing/residential plans.
3. Able to identify physical plans, investment plans, and feasibility analysis for non-housing/residential plans.
4. Able to formulate and communicate the implementation scheme in non-housing/residential plans.
5. Able to utilize information technology for analyzing and creating non-housing/residential plans.
6. Able to work effectively and professionally both independently and in a group.

g. TKP 17-6-2-SL2 Studio II Landscape Planning (Regional, Urban, and Rural) (4 Credits)

In this course the students will practice/simulate to create landscape planning and development for regional, urban, and rural scope.

CLO:
1. Able to understand the process and procedures of landscape planning and development.
2. Able to identify opportunities, challenges, stakeholders, investment capacity, and influential institutions in realizing landscape plans.
3. Able to identify physical plans, investment plans, and feasibility analysis for landscape plans.
4. Able to formulate and communicate the implementation scheme in landscape plans.
5. Able to utilize information technology for analyzing and creating landscape plans.
6. Able to work effectively and professionally both independently and in a group.

h. TKP 17-6-2-ST2 Studio II Smart Cities Infrastructure (4 Credits)

In this course the students will practice/simulate to create smart cities infrastructure planning and development.

CLO:
1. Able to understand the process and procedures of infrastructure development planning accordance with smart urban/regional principles.
2. Able to identify opportunities, challenges, stakeholders, investment capacity, and institutions relevant to the developing of smart infrastrcuture.
3. Able to identify physical plans, investment plans, and feasibility analysis for smart living infrastructure plans.
4. Able to formulate and communicate the implementation scheme in infrastructure plans.
5. Able to utilize information technology for analyzing and creating smart living infrastructure plans.
6. Able to work effectively and professionally both independently and in a group.

i. TKP 17-6-2-CH2 Studio II Smart Living Planning and Development (4 Credits)

In this course the students will practice/simulate to create smart living planning and development.

CLO:
7. Able to understand the process and procedures of infrastructure development planning accordance with smart urban/regional principles.
8. Able to identify opportunities, challenges, stakeholders, investment capacity, and institutions relevant to the developing of smart infrastrcuture.
9. Able to identify physical plans, investment plans, and feasibility analysis for smart living infrastructure plans.
10. Able to formulate and communicate the implementation scheme in infrastructure plans.
11. Able to utilize information technology for analyzing and creating smart living infrastructure plans.
12. Able to work effectively and professionally both independently and in a group.

j. TKP 17-6-2-CL2 Studio II Smart Environment Planning and Development (4 Credits)

In this course the students will practice/simulate to create smart environment planning and development.

CLO:
1. Able to understand the process and procedures of environment development planning accordance with smart urban/regional principles.
2. Able to identify opportunities, challenges, stakeholders, investment capacity, and institutions relevant to the developing of smart environment.
3. Able to formulate physical plans, investment plans, and feasibility analysis for developing smart environmental plans based on smart urban/regional principles.
4. Able to formulate and communicate the implementation scheme in developing smart environment.
5. Able to utilize information technology for analyzing and creating smart environmental development plans.
6. Able to work effectively and professionally both independently and in a group.

k. TKP 17-6-2-CE2 Studio II Smart Economy Planning and Development (4 Credits)

In this course the students will practice/simulate to create smart economy planning and development.

CLO:

1. Able to understand the process and procedures of environment development planning accordance with smart urban/regional principles.
2. Able to identify opportunities, challenges, stakeholders, investment capacity, and institutions relevant to the developing of smart environment.
3. Able to formulate physical plans, investment plans, and feasibility analysis for developing smart environmental plans based on smart urban/regional principles.
4. Able to formulate and communicate the implementation scheme in developing smart environment.
5. Able to utilize information technology for analyzing and creating smart environmental development plans.
6. Able to work effectively and professionally both independently and in a group.

l. TKP 17-6-2-CM2 Studio II Smart Mobility Planning and Development (4 Credits)

In this course the students will practice/simulate to create smart mobility planning and development.

CLO:
1. Able to understand the process and procedures of mobility development planning accordance with smart urban/regional principles.
2. Able to identify opportunities, challenges, stakeholders, investment capacity, and institutions relevant to the developing of smart mobility.
3. Able to formulate physical plans, investment plans, and feasibility analysis for developing smart mobility plans based on smart urban/regional principles.
4. Able to formulate and communicate the implementation scheme in developing smart mobility.
5. Able to utilize information technology for analyzing and creating smart mobility development plans.
6. Able to work effectively and professionally both independently and in a group.

m. TKP 17-6-2-CD2 Studio II Smart Disaster Planning and Management (4 Credits)

In this course the students will practice/simulate to create smart disaster management planning.

CLO:
1. Able to understand the process and procedures of disaster management accordance with smart urban/regional principles.
2. Able to assess disaster risks and identify opportunities, challenges, stakeholders, financing capacity, and crucial institutions in disaster management.
3. Able to formulate action plans, investment plans, and feasibility analysis for developing disaster management based on smart urban/regional principles.
4. Able to formulate and communicate the implementation of disaster management implemennation.
5. Able to utilize information technology for analyzing and creating smart disaster management plans.
6. Able to work effectively and professionally both independently and in a group.

n. TKP 17-6-2-CI2 Studio II Smart Resource Planning and Development (4 Credits)

In this course the students will practice/simulate to create resources management planning based on certain sector approach, such as transportation, water, garbage, etc.

CLO:
1. Able to understand the process and procedures of resources management accordance with smart urban/regional principles.

2. Able to identify opportunities, challenges, stakeholders, investment capacity, and influential institutions in resources management for economic development, poverty alleviation, or ecological sustainability.
3. Able to formulate action plans, phisical challenges, investment plans, and feasibility analysis for resources management based on smart urban/regional principles in particulate sector (transportation, water, garbage, etc.).
4. Able to formulate and communicate the implementation of resources management implementation in particulate sector (transportation, water, garbage, etc.).
5. Able to utilize information technology for analyzing and creating smart resources management plans.
6. Able to work effectively and professionally both independently and in a group.

TKP 17-6-2-202 [12] Research Methodology (2 Credits)–Semester 2

This course provides knowledge about research methods that exist in the academic world, especially those that can be used in the scientific field of regional and urban planning.

CLO:
1. Able to o explain the relationship between research and theory and practice in the scientific domain of urban and planning.
2. Able to explain various approaches/paradigms, both qualitative and quantitative approaches to conducting research in the domain of urban and regional planning.
3. Able to make scientific work in accordance with the principles of truthfulness.
4. Able to assess the suitability of approaches or a models used in research within the domain of urban and regional planning.

Subjects:
1. Introduction and understanding of research in urban and regional planning context
2. Variety and comparison between methods
3. How to prepare research proposal
4. Quantitative research methodology
5. Qualitative research methodology
6. Case study research
7. Evaluation research

Literature:
Alizadeh, Pardis. 2006. *"Case Study as a Methodology in Architectural Research".* International Conference Research Methodologies Science, Engineering and Technology.
Arikunto, Suharsimi. 1998. *Prosedur Penelitian: Suatu pendekatan praktk.* Penerbit Rineka Cipta, Yogyakarta. Bab II: "Ragam Penelitian", hal. 8-13
Bryman, Alan. 2012. *Social Research Methods,* 4th edition.
Buckley, J.W.; M.H. Buckley; dan Hung-Fu Chiang. 1976. *Research Methodology & Business Decisions.* National Association of Accountants, New York. Hal. 11-50
Chapter 2. *Quantitative, Qualitative, and Mixed Research.* Sumber: http://www.southalabama.edu/coe/bset/johnson/lectures/lec2.htm. Tgl Akses: 11 Okt 2012
Groat, L. & D. Wan., 2002. *Architectural Research Methods.* John Wiley & Sons, New York
Leedy, Paul D. 1997. *Practical Research: Planning and Design.* Sixth Edition. Prectice Hall, Upper Saddle River, New Jersey.

MAMIA, T. 2006 *Quantitative Research Methods: General studies/ISSS*. https://www.scribd.com/doc/3828102/Quantitative- Research-Methods diakses tanggal 6 Oktober 2014.

Yin, Robert K. 2003. *Case Study Research: Design and Methods.* Third Edition. Sage Publications, London. Chapter 1: "Introduction", pp. 1-18.

TKP 17-7-1-301 Pre-Thesis (2 Credits)–Semester 3

In this course, students are guided to identify real-world issues in society and transform them into research proposals within the field of urban and regional planning. The outcome of this course is a research proposal focused on urban and regional planning in a spatial context, which serves as a precursor to the thesis course in the following semester.

CLO:
1. Able to explain the importance of research on a particular topic for the development of knowledge and practice in regional and urban planning based on related theories/concepts.
2. Able to argue for the selection of the suitable research methods and techniques for conducting research in the urban and regional planning domain.
3. Able to formulate and communicate research proposals in the scientific domain of regional and urban planning that meet scientific principles effectively.
4. Able to utilize the suitable supporting information technology in preparing research proposals.

Subjects:
1. Introduction to research proposal preparation
2. How to prepare research proposal
3. Overview of research methodology

Literature:

Creswell, J. W., & Creswell, J. D. 2017. Research Design: Pendekatan Kualitatif, Kuantitatif, danMixed, Pustaka Pelajar.

Denzin, N. K., & Lincoln, Y. S. 1994. Handbook of qualitative research. Sage publications, inc. Evans, D., Gruba, P., & Zobel, J. 2011. How to write a better thesis. Melbourne University Publishing.Farthing, S. 2015. Research design in urban planning: a student's guide. Sage.

TKP 17-7-2-401 Thesis (8 Credits)–Semester 4

Thesis is a practice for the students to build their own perspective (their own theory) based on literature search and previous research. Thesis topics are directed to support the understanding phenomena relevant to their choice of specialization.

CLO:
1. Able to foster sensitivity within the environment regarding urban and regional development and planning issues.
2. Able to identify problem statements, research questions, research objectives, and research benefits that are suitable to the research context.
3. Able to link the learned theories to support thesis research within the domain of urban and regional planning.
4. Able to apply research methods and approaches, as well as suitable analysis techniques to interpret the results of the analysis derived from the collection and and processing of research data that align with the research objectives.

5. Able to communicate the research result in urban and regional domain through written reports in accordance with the required standards of scientific writing.
6. Able to utilize suitable supporting information technology to conduct research.

Subjects:
1. Introduction to proposal design
2. How to prepare research proposal
3. Overview of research methods
4. Case study research
5. Evaluation research

Literature:

Leedy, Paul D. 1997. *Practical Research: Planning and Design*. Sixth Edition. Prectice Hall, Upper Saddle River, New Jersey.

Arikunto, Suharsimi. 1998. *Prosedur Penelitian: Suatu pendekatan praktik*. Penerbit Rineka Cipta, Yogyakarta. Bab II: "Ragam Penelitian", hal. 8-13

Buckley, J.W.; M.H. Buckley; dan Hung-Fu Chiang. 1976. *Research Methodology & Business Decisions*. National Association of Accountants, New York. Hal. 11-50

Groat, L. & D. Wang. 2002. *Architectural Research Methods*. John Wiley & Sons, New York

Yin, Robert K. 2003. *Case Study Research: Design and Methods*. Third Edition. Sage Publications, London. Chapter 1: "Introduction", pp. 1-18.

Chapter 2. *Quantitative, Qualitative, and Mixed Research*. Sumber: http://www.southalabama.edu/coe/bset/johnson/lectures/lec2.htm

MAMIA, T. 2006. *Quantitative Research Methods: General studies/ISSS*. https://www.scribd.com/doc/3828102/Quantitative- Research-Methods

Alizadeh, Pardis. 2006. *"Case Study as a Methodology in Architectural Research"*. International Conference Research Methodologies Science, Engineering and Technology.

Bryman, Alan. 2012. Social Research Methods, 4th edition.

Notes: The Syllabus for the Philosophy of Science course is currently not shown because it is aligned to the faculty's curriculum as it is a general basic compulsory course at the faculty level.

SYLLABUS FOR ELECTIVE COURSES
LIST OF ELECTIVE COURSES

Number	Elective Course	Code	Credit
1	Spatial Planning Evolution	TKP1771302	2
2	Community Development	TKP1771303	2
3	Urban Informal Sector	TKP1771304	2
4	Urban Morphology	TKP1771305	2
5	Urban Land Management	TKP1771306	2
6	Urban Environmental Planning and Management	TKP1771307	2
7	Infrastructure Planning and Management	TKP1771308	2
8	Settlement Planning and Management	TKP1771309	2
9	Creative Cities	TKP1771310	2
10	Smart Cities	TKP1771311	2
11	Housing Site Planning	TKP1771312	2
12	Land Use Modelling	TKP1771313	2
13	Landscape Planning and Design	TKP1771314	2
14	Urban Conservation Planning and Management	TKP1771315	2
15	Public Private Partnership	TKP1771316	2
16	Development Monitoring, Evaluation, and Implementation	TKP1771317	2
17	Resilient City & Regional	TKP1771318	2
18	Compact City	TKP1771319	2
19	Local Economic Development (LED)	TKP1771320	2
20	Real Estate Planning and Management	TKP1771321	2
21	International Joint Studio	TKP1771348	2
22	Disaster Mitigation	TKP1771349	2
23	Mobility and Spatial Planning	TKP1771400	2
24	Big Data Analysis	SPSBD71031	2
25	Smart City: Context, Policy, and Government	TKP1771401	2
26	Smart City Technologies	TKP1771402	2
27	Internship		2
Total Credits Need to Be Taken for Elective Courses in 4 Semesters			6

Note:

Some of the MKP have not been listed in the MKP syllabus below because the courses are new and have not been implemented when preparing the curriculum academic text. Further explanation regarding the MKP will be proposed and/or delivered by the lecturer during the lecture session. The availability of elective courses is dynamics subject to the lecturer discussion at the beginning of each semester, not all the listed courses will be available for every semester. The Administrator will ask the student to fill out an online form to vote on which of the courses offered by the lecturers that shall be held for the next semester.

SYLLABUS FOR ELECTIVE COURSES
TKP 17-7-1-302 Evolution in Spatial Planning Theories and Practices (2 Credits)

This course provides type and change process of the spatial planning paradigm that growth in the world, from the master planning, then comprehensive planning, and strategic (spatial) planning.

CLO:
1. Able to critically explain and examine theories in the spatial planning paradigm.
2. Able to critically identify influencing factors and cases related to the spatial planning paradigm.
3. Able to argue the opportunities for implementing planning processes and paradigms that are being developed globally, focusing on the case of Indonesia.

TKP 17-7-1-303 Community Development (2 Credits)

In this course, students will be provided with theories, concepts, and instruments of community development. Through this, students will gain a deeper understanding of basic concepts, methods, and processes of community development, enabling them to engage in real community development processes.

CLO:
1. Able to critically explain, assess, and synthesize theories in community development.
2. Able to evaluate the community empowerment policies and existing best practice examples sensitively and critically.
3. Able to make contextual community development plans and programs in responding to problems in the field and formulate strategic implementation schemes.

TKP 17-7-1-304 Urban Informal Sector (2 Credits)

This course provides knowledge to students about the concepts and theories of the informal sector in Indonesia, including the history of urban informal sector development, informal economy, informal housing, informal institutions, and approaches for addressing the informal sector in Indonesia.

CLO:
1. Able to explain theories about the informal sector, especially in the context of developing countries and synthesize them.
2. Able to criticize the policies for informal sector in Indonesia as well as best practices from outside Indonesia and contextualize them with local conditions.
3. Able to integrate the informal sector into urban and regional planning aspects and formulate inclusive policies for the informal sector.

TKP 17-7-1-306 Urban Land Management (2 Credits)

In this course, students will be provided with knowledge about the theory, instruments, and methods of urban land management within the context of Indonesia. Land management is one of the crucial aspects of urban planning.

CLO:
1. Able to critically explain, assess, and synthesize theories in urban land management.
2. Able to critically evaluate and identify issues in urban land management.
3. Able to argue for the techniques of urban land management that will be applied in urban and regional planning and development practices.

TKP 17-7-1-307 Urban Environmental Planning and Management (2 Credits)

This course provides knowledge about approaches to urban environmental management. In each session, students will be encouraged to think critically and innovatively about approaches to urban environmental management, such as the concepts of smart growth, Transit-Oriented Development (TOD), rainwater management, etc.

CLO:
1. Able to critically explain, assess, and synthesize theories in urban environmental management.
2. Able to critically evaluate urban environmental management policy and identify urban environment issues.
3. Able to formulate strategic urban environmental management policies based on strong analysis and formulate the strategic implementation schemes.

TKP 17-7-1-308 Infrastructure Planning and Management (2 Credits)

This course provides knowledge about approaches to infrastructure planning, both at the urban and regional levels.

CLO:
1. Able to explain the relationship between theory, practice, and techniques of infrastructure development planning in the process of formulating, implementing, and controlling spatial plans as well as infrastructure development plans.
2. Able to critically identify and discuss infrastructure development issues in connection with existing policies, regulations, and institutions in Indonesia, and comparing them with experiences from other countries.
3. Able to argue for a specific infrastructure development management scheme that is efficient, effective, and sustainable.

TKP 17-7-1-309 Settlement Planning and Management (2 Credits)

This course provides knowledge about the theories, methods, elements, instruments, and principles of planning and implementing residential and urban housing development.

CLO:
1. Able to explain theories in settlement planning and development and relate them to the broader context of urban and regional planning.
2. Able to critically evaluate settlement development policies in Indonesia and formulate innovative policies as improvement proposals.
3. Able to analyze data in settlement development planning and use it to formulate settlement development policies.

TKP 17-7-1-310 Creative Cities (2 Credits)

This course provides knowledge about the theories, methods, elements, instruments, and principles of planning and implementing creative cities that are contextual to Indonesia.

CLO:
1. Able to critically explain, assess, and synthesize theories about creative cities.
2. Able to integrate the concept of creative cities into urban and regional planning contextually with the conditions of cities in Indonesia.
3. Able to formulate policies that support the realization of creative cities and strategic schemes for the implementation.

TKP 17-7-1-311 Smart Cities (2 Credits)

This course introduces students to the concept of Smart Cities, such as the rationale, framework and model, development process, implementation, and the link between smart cities with urban and regional planning, as well as the link between smart cities and resilient city.

CLO:
1. Able to critically explain, assess, and synthesize theories about smart cities.
2. Able to integrate the concepts and aspects of smart cities into urban and regional planning contextually with the conditions of cities in Indonesia.
3. Able to formulate policies that support the realization of smart cities and strategic schemes for the implementation.

TKP 17-7-1-312 Housing Site Planning (2 Credits)

This course provides knowledge to students about the processes of housing site planning, including its methods, instruments, and principles.

CLO:
1. Able to critically explain, assess, and synthesize theories about housing site planning.
2. Able to integrate and contextualize site concepts and aspects into housing planning.
3. Able to analyze and design the suitable and contextual housing sites based on location conditions.

TKP 17-7-1-313 Land Use Modelling (2 Credits)

This course provides students with knowledge about land use planning and modeling. Some topics include land suitability and carrying capacity analysis, ecological and economic-based land use planning using Geographic Information System (GIS), land use projection, and land use implementation through zoning.

CLO:
1. Able to explain the use of economic theories and population development for land use projection.
2. Able to explain land use modeling consideration based on criteria for good and bad land use accordance with sustainable development concepts as well as regulations and standards in Indonesia.
3. Able to analyze the land sustainability analysis and urban carrying capacity using GIS.
4. Able to develop a projection model for urban land use for the next 20 years.

TKP 17-7-1-314 Landscape Planning and Design (2 Credits)

This course provides students with knowledge about the processes of landscape planning and design at the scale of areas, cities, and regions.

CLO:
1. Able to critically explain and assess theories and policies of landscape planning and design in Indonesia.
2. Able to critically identify potential and landscape issues both local and regional levels.
3. Able to formulate productive and sustainable landscape/green infrastructure planning and the strategic of the implementation.

TKP 17-7-1-314 Urban Conservation Planning and Management (2 Credits)

This course provides students with knowledge about the theories and instruments of planning and managing urban conservation of heritage cities and cultural heritage.

CLO:
1. Able to critically explain, assess, and synthesize theories about urban conservation.
2. Able to critically evaluate policies of urban heritage conservation and formulate the approaches for the improvements.

3. Able to formulate urban heritage conservation planning and the strategic of the implementation.

TKP 17-7-1-316 Public-Private Partnership (2 Credits)

This course provides students with knowledge about infrastructure financing instruments through Public-Private Partnership (PPP) schemes or Government and Business Entity Cooperation, as well as the practice of conducting preliminary study assessments for infrastructure projects using PPP schemes.

CLO:
1. Able to critically explain and assess theories about project financing, including PPP, and their implications for regions (society and local government).
2. Able to critically explain and assess about project financing, including PPP, and their implications for regions (society and local government).
3. Able to critically evaluate the development financing policies, particularly under PPP schemes, and formulating improvements to PPP formulation approaches.
4. Able to formulate project financing plans with PPP schemes that prioritize society.

TKP 17-7-1-317 Monitoring, Evaluation, and Implementation (2 Credits)

In this course students will be introduced to various methods and techniques of monitoring, evaluation, and implementation of the development policy, such as spatial planning in various level, development plans in various level, and another strategic plans.

CLO:
1. Able to critically explain and assess theories about monitoring, evaluation, and implementation in the context of urban and regional planning.
2. Able to formulate monitoring, evaluation, and implementation instruments within urban and regional planning policies.
3. Able to integrate monitoring, evaluation, and implementation instruments into urban and regional planning products.

TKP 17-7-1-318 Resilient City & Regional (2 Credits)

This course provides students with knowledge about resilient cities theories, including concepts and definitions, aspects and criteria, as well as methods of implementation within the framework of urban development policies in Indonesia.

CLO:
1. Able to critically explain, assess, and synthesize theories about resilient city and regional.
2. Able to integrate the concept of resilient cities into urban and regional planning contextually with conditions in Indonesia.
3. Able to formulate policies that support the realization of resilient cities and regional and strategic schemes for the implementation.

TKP 17-7-1-319 Compact City (2 Credits)

This course provides students with knowledge about compact cities theories, including concepts and definitions, aspects, and criteria for forming compact cities, as well as methods of implementation within the framework of urban development policies in Indonesia.

CLO:
1. Able to critically explain, assess, and synthesize theories about compact city.

2. Able to the concept of compact cities into urban and regional planning contextually with conditions in Indonesia.
3. Able to formulate policies that support the realization of compact cities and strategic schemes for the implementation.

TKP 17-7-1-320 Local Economic Development (2 Credits)

This course provides students with knowledge about local-scale economic development from a sustainability perspective. The topics covered include concepts of local economic development, instruments for application and implementation, and key sectors of local economic development. At the end of the course, students will engage in a simulation to identify local economic potential.

CLO:
1. Able to explain the concepts of local economic development in the context of sustainability.
2. Able to analyze and evaluate local economic policies using various analytical methods.
3. Able to formulate local economic development policies based on regional potential and in favor of the local community.

TKP 17-7-1-321 Real Estate Planning and Management (2 Credits)

This course provides knowledge to students about real estate development planning, encompassing theories, techniques, methods, and principles of real estate development across various sectors.

CLO:
1. Able to identify potential opportunities for non-residential real estate investments (such as commercial, office, industrial, or tourism) in a city/region in accordance with existing public plans and regulations.
2. Able to propose a real estate development investment proposal.
3. Able to create physical development plans for real estate areas.
4. Able to formulate the implementation scheme for real estate area development (especially from institutional and financial aspects).

Internship (2 Credits)

This course aims to provide students with the opportunity to gain professional work experience, apply knowledge, and internalize values within the field of urban and regional planning.

CLO:
1. Able to fulfill a role in a professional workplace aligned with the scope of urban and regional planning.
2. Able to reflect on significant challenges, issues, and prospects related to the scope of urban and regional planning.
3. Able to internalize professionalism values.

Literature:
Kerzner, Harold. (2013). *Project Management: A Systems Approach to Planning, Scheduling, and Controlling*. Wiley.
Goodman, L.J., dan Love, R.N., (1980). *Project Planning and Management: An Integrated Approach*, Pergamon Press
Lester, Albert. (2013). *Project Management, Planning and Control 6th Edition*. Butterworth Heinemann
Michael. 2010. *Becoming an Urban Planner*. New York: John Wiley & Sons
Wachs, M. 1985. *Ethics in Planning (1st Edition)*. New York: Routledge
Kode Etik Perencana: https://iapindonesia.org/planners-center/code-of-ethics

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