

# Curriculum and Load Study

## Curriculum

### a. Details of courses:

1. Study Load of Doctoral Program in Civil Engineering for applicant with master education in same field at least 40 credits (among 40-50 credits) and scheduled for 4 semesters with length of study 10 semesters.
2. Study Load for Doctoral Program in Civil Engineering for applicant with master education with is not in the same field at least 52 credits (among 52-62 credit) scheduled for 5 semesters with length of study is 11 semesters

Lecture:

Compulsory Subjects	12 credit
Subject for Dissertation	Minimal 6 credit
Total	12 - 24 credit

Dissertation:

1. Special Tasks by Promotor
2. Seminar
3. Science Journal Publication
4. Dissertation Structured:
  - 4.1. Pooposal Seminar Research
  - 4.2. Research Conducted
  - 4.3. Result Research Seminar
  - 4.4. Exam I
  - 4.5. Exam II

Total dissertation credit 28 sks

Total 40 – 52 sks

Compulsory of Matriculation Program

1. Filsafat Ilmu 3 sks
2. Teknik Pemodelan 3 sks
3. Statistika Eksperimen 3 sks

### **Mata Kuliah Wajib Program Studi**

<b>No.</b>	<b>Kode MK</b>	<b>Mata Kuliah</b>	<b>sks</b>
1.	TKS 8101	Metode Penelitian Disertasi	3
2.	TKS 8103	Pemrograman Lanjut	3
3.	TKS 8104	Riset Operasi	3
4.	TKS 8105	Matematika Rekayasa Lanjut	3
5.	TKA 8101	Interdisipliner dalam Arsitektur	3
6.	TKA 8102	Manusia dan Lingkungan	3
7.	TKA 8103	Dinamika Ruang Arsitektur	3

### **Mata Kuliah Penunjang Disertasi**

<b>No.</b>	<b>Kode MK</b>	<b>Mata Kuliah</b>	<b>sks</b>
1.	TKS 8201	Kebijakan Transportasi	3
2.	TKS 8202	Manajemen Infrastruktur Transportasi	3
3.	TKS 8203	Sistem Perkerasan Jalan	3
4.	TKS 8204	Keselamatan Transportasi Jalan	3
5.	TKS 8219	Metode Elemen Hingga Lanjut	3
6.	TKS 8205	Teori Stabilitas	3
7.	TKS 8206	Teori Elastisitas	3
8.	TKS 8207	Teori Plastisitas	3
9.	TKS 8208	Teori Reliabilitas	3
10.	TKS 8209	Mekanika Retakan	3
11.	TKW 8201	Peranc. Wilayah & Kota Lanjut	3
12.	TKW 8202	Ekonomi Wilayah & Kota Lanjut	3

13.	TKP 8201	Teknik Drainase Lanjut	3
14.	TKP 8202	Teknik Reklamasi Lanjut	3
15.	TKP 8203	Transportasi Sediman Lanjut	3
16.	TKP 8204	Teknik Sungai Lanjut	3
17.	TKS 8210	Prospeksi Geofisika	3
18.	TKS 8211	Geoteknik Lingkungan	3
19.	TKS 8220	Teknik Pemodelan Lanjut	3
20.	TKA 8201	Pelestarian Bangunan dan Kawasan	3
21.	TKA 8202	Kearifan Budaya Lokal	3
22.	TKW 8203	Isu Perencanaan Kota dan Wilayah	3
23.	TKW 8204	Perencanaan Kota Berkelanjutan	3

**b. Detail activities for completion of dissertation consists of several activities are:**

- Qualifying Test
- Proposal Seminar Dissertation
- Conduct the dissertation research
- Result Seminar Research dissertation
- Science Publication of dissertation research result, minimal 1 article in international science journal recognized.
- Close Dissertation Test
- Open Dissertation Test

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