



DEPARTMENT OF GEOMATICS ENGINEERING
UNDERGRADUATE PROGRAM IN GEOMATICS ENGINEERING
COURSE SYLLABUS

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| COURSE | Name | Land Administration |
| | Code | RM184624 |
| | Credits | 3 (three) |
| | Semester | VI (six) |

COURSE DESCRIPTION

The purpose of this course is to introduce concepts, approaches and systems related to securing land tenure. Land rights, land law in accordance with PMNA no. 3 of 1997. This course will discuss cadastral surveys in accordance with PP no. 24 of 1997 and links the latest scientific knowledge (theory) to experience and professional needs (practical).

EXPECTED LEARNING OUTCOME

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| C | Able to identify, formulate, analyze and solve problems in the fields of geodesy, surveying, hydrographic, remote sensing, photogrammetry, and cadastral. |
| D | Able to perform spatial data acquisition using modern measurement methods, geospatial data processing, using industry standard software, and making standard designs and analyzes in the fields of geodesy, surveying, hydrography, remote sensing, |
| E | Able to apply information & communication technology and the latest technological developments in the fields of geodesy, surveying, hydrographic, remote sensing, photogrammetry, geographic information systems, and cadastral. |
| I | Able to be responsible to the community and adhere to professional ethics in solving technical problems in the fields of geodesy, surveying, hydrographic, remote sensing, photogrammetry, geographic information systems, and cadastral. |

COURSE LEARNING OUTCOME

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| 1 | Students know and understand the normative legal basis regarding land registration activities and some related matters. |
| 2 | Students have knowledge about how to make land registration maps and their supporters (measurement drawings, field maps). |
| 3 | Students have experience in making one type of land registration activity product, which is a field map |
| 4 | Students are able to express their ideas orally and in writing in the field of land cadastre |

COURSE MATERIALS

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| 1 | Land Tenure |
| 2 | General understanding and development of land registration in Indonesia |
| 3 | Land Registration System according to PMNA/Ka. BPN Number 3 of 1997 |
| 4 | Registration system in various countries in the world |
| 5 | Cadastral Survey (PP No.24 of 1997) |
| 6 | Fit-for-purpose land administration |
| 7 | Complete Systematic Land Registration |

PREREQUISITE

Spatial Database System, Digital Cartography, SKT and Map Projection

REFERENCES

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| A. | Main References |
| 1 | Badan Pertanahan Nasional. 2017. Kamus Agraria dan Tata Ruang. Jakarta |
| 2 | McLaughlin, J, Dale,P.F. 1999. Land Administration. Oxford University Press |
| 3 | Peraturan Pemerintah No.24 Tahun 1997 tentang pendaftaran tanah |
| 4 | Peraturan Menteri Agraria Dan Tata Ruang/ Kepala Badan Pertanahan Nasional Republik Indonesia Nomor 6 Tahun 2018 Tentang Pendaftaran Tanah Sistematis Lengkap |
| B. | Additional References |
| 1 | Nissim, R. 2016. Land Administration and Practice in Hongkong. Hongkong University Press |
| 2 | Zevenbergen et all. 2015. Advances in Responsible in Land Administration. CRC Press |