



DEPARTMENT OF GEOMATICS ENGINEERING
UNDERGRADUATE PROGRAM IN GEOMATICS ENGINEERING
COURSE SYLLABUS

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| COURSE | Name | Toponym |
| | Code | RM184415 |
| | Credits | 3 (three) |
| | Semester | IV (four) |

COURSE DESCRIPTION

In this course, students will learn one of the main objectives in Geomatics about the toponymy of the earth's surface. It is hoped that through this lecture students will learn about history, the naming of an area and the relationship of toponymy with other sciences and other subjects in Geomatics, and how toponymy plays a role in national development. This lecture also explained the role of International Institutions for the determination of topographical names and the preparation of Gazetir and the development of spatial data infrastructure for topographical names. This course also provides knowledge about the procedures for naming, changing and deleting topographical names.

EXPECTED LEARNING OUTCOME

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| B | Able to design survey and mapping activities using the latest technology in the fields of geodesy, surveying, hydrographic, remote sensing, photogrammetry, and cadastral. |
| F | Able to compile scientific reports and provide solutions based on leadership, creativity and communication skills as well as being responsible for the work done. |
| H | Able to work in inter-disciplinary and inter-cultural teams so they can compete at national and international levels. |

COURSE LEARNING OUTCOME

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| 1 | Having knowledge about definition, history and Toponymy's relation with other sciences; naming and standardizing the name of the earth (toponymy) |
| 2 | Having knowledge about Toponymy's Relationship with courses in Geomatics Engineering; basic theory and survey methods in naming and standardizing the name of the earth (toponymy) |
| 3 | Understanding Toponymy's State of the art at the national and international level and Toponymy's role and function in national development; have experience to make observations in the field related to naming and standardizing the name of the earth's form (toponymy) |
| 4 | Able to explain about Toponymy: Nature, Mountain Toponymy, Maritime Toponymy, Administration (Government: province, district, city, etc., Ancient site area); and how is the process of naming and standardizing the name of the earth's form (toponymy) |
| 5 | Able to understand the role of international institutions: Institutions, objectives and functions; express their ideas orally and in writing. |
| 6 | Able to understand topographical names: Legal Basis, National Authority Topographic names / topographical scopes, Scope of topographical naming activities, standardization of maritime geographic names, nomenclature of geographical names from underwater elements; and applying the concepts and procedures of Toponymy science and techniques as one of the methods in geospatial information whether working independently or in teamwork. |

COURSE MATERIALS

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| 1 | Definition, history and Toponymy's links with other sciences |
| 2 | Toponymy's relationship with courses in Geomatics Engineering |
| 3 | State of the art Toponymy at the national and international level and the role and function of Toponymy in national development |
| 4 | Toponymy: Nature, Mountain Toponymy, Maritime Toponymy, Administration (Government: provinces, districts, cities etc., Ancient site area) |
| 5 | Role of International Institutions: Institutions, objectives and functions |
| 6 | Topographical Names: Legal Basis, National Authority Topographical / Topical Name, Scope of Topographic Naming Activities, Standardization of Maritime Geographic Names, Nomenclature of Geographic Names of Submarine |
| 7 | Scope of Activities for Naming Topographical Elements, Gazetir Names for National Topographical Elements and Procedures for naming, name changing and deletion |

PREREQUISITE

No prerequisite

REFERENCES

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| A. | Main References |
| 1 | Sukojo, B.M Toponimi (Arti dan Peran). 2012. ITS Press. Surabaya. |
| 2 | Department of the Interior. Washington DC US Department of the Interior. US Geodata: Geographic Names Information System – Data User Guide 6. USGS. Reston Virginia, 1987 |
| B. | Additional References |
| 1 | IHO (International Hydrographic Organization). Standardization of Undersea Feature Names. 3rd Ed. Monaco: International Hydrographic Bureau, 2001. |
| 2 | Jacub Rais, Arti Penting Penamaan Unsur Geografi, Definisi, Kriteria dan Peranan PBB dalam Toponimi, Kasus Nama-Nama Pulau di Indonesia, ITB Bandung. 2003 |
| 3 | Kadmon, N. Toponymy: The Lore, Laws and Language of Geographical Names. Vantage Press. New York. 2000. |