

PROGRAM STUDI MAGISTER TEKNIK GEOMATIKA
MASTER OF GEOMATICS ENGINEERING



BUKU PEDOMAN MATA KULIAH *COURSES MODULE HANDBOOK*

GLOBAL GEODETIC OBSERVING SYSTEM
GLOBAL GEODETIC OBSERVING SYSTEM

DEPARTEMEN TEKNIK GEOMATIKA
Fakultas Teknik Sipil, Perencanaan, dan Kebumihan

DEPARTMENT OF GEOMATICS ENGINEERING
Faculty of Civil Engineering, Planning, and Geo Engineering

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

<p>Deskripsi Mata Kuliah</p> <p><i>Description of Course</i></p>	<p>Dalam mata kuliah ini akan dipelajari global geodesy observing system (GGOS)s ebagai kontribusi dari ilmu geodesi dalam mempelajari sistem Bumi, dinamikanya, responnya terhadap perubahan iklim. Perkembangan dari teknik geodesi modern terutama yang berbasis satelite menjadi komponen utama dalam GGOS.</p> <p><i>In this course, global geodesy observing systems (GGOS) will be studied as a contribution from the science of geodesy in studying the Earth system, its dynamics, and its response to climate change. The development of modern geodetic techniques, especially satellite-based ones, is a main component in GGOS.</i></p>																																																		
<p>Capaian Pembelajaran / Course Learning Outcomes</p> <p><i>Module objectives/ Course learning outcomes</i></p>	<ol style="list-style-type: none"> 1. Mampu menjelaskan tujuan, capaian, and teknologi terkini dari geodesi 2. Mampu menjelaskan kontribusi ilmu kebumihan khususnya persyaratan geodesi dalam memahami dinamika planet 3. Mampu menjelaskan dan mendeskripsikan pentingnya observasi Bumi dalam memenuhi kebutuhan masyarakat yang semakin global 4. Mampu mengidentifikasi dan memanfaatkan teknik-teknik geodesi modern dalam GGOS dan pemanfaatannya dalam isu-isu masyarakat global <ol style="list-style-type: none"> 1. <i>Able to explain the goals, achievements, and latest techbology in geodesy</i> 2. <i>Able to explain the contribution of the Earth science especially requirements for geodesy in understanding the dynamic planet</i> 3. <i>Able to to elaborate the importance of Earth observation in serving the needs of an increasingly global society</i> 4. <i>Able to identify and utilize the modern geodetic techniques in GGOS and their use in global societal issues</i> 																																																		
<p>CPL Prodi yang dibebankan</p> <p><i>Learning outcomes and their corresponding to PLOs</i></p>	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>PLO.1</th> <th>PLO.2</th> <th>PLO.3</th> <th>PLO.4</th> <th>PLO.5</th> <th>PLO.6</th> <th>PLO.7</th> <th>PLO.8</th> <th>PLO.9</th> </tr> </thead> <tbody> <tr> <th>CLO.1</th> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> </tr> <tr> <th>CLO.2</th> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> </tr> <tr> <th>CLO.3</th> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> </tr> <tr> <th></th> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		PLO.1	PLO.2	PLO.3	PLO.4	PLO.5	PLO.6	PLO.7	PLO.8	PLO.9	CLO.1					✓	✓				CLO.2					✓	✓				CLO.3					✓	✓									✓	✓			
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