Geoinformation Fundamental

Course Title: Geoinformation Fundamental					
Course Code: CSD60014	**Student Workload:** 8.50 Hours/ Weeks	**Credits:** 3 Credits (4.50 ECTS)	**Semester:** 6th Semester	**Frequency:** Even Semester	**Duration:** 16 Weeks/ Semester (*Lecture*: 14 weeks; *Midterm assessment*: 1 week; *Final assessment*: 1 week)

1	**Types of Courses:** Content Knowledge Course	**Contact Hours:** *Lecturing*: 1.67 Hours/ Week; *Practical Work*: 2.83 Hours/ Week	**Independent Study:** *Self-study:* 2.00 Hours/ Week; *Structured Assignment*: 2.00 Hours/ Week	**Class Size:** 40 Students
2	**Prerequisites for Participation** (If Applicable): -			
3	**Learning Outcomes:** 1. M1: Able to understand the basic concepts of geoinformation (ILO-5) (0,3) 2. M2: Able to understand various coordinate system references and projections (ILO-6) (0,3) 3. M3: Able to understand multiple types of Geoinformation Software (ILO-9) (0,2) 4. M4: Able to do a final project based on actual problems in the field and their documentation (ILO-10) (0,2)			
4	**Subject aims/Content:** At the end of the course, students are expected: 1. L1: Able to explain basic concepts from various points of view (science, art, systems, and technology) (M1) 2. L2: Able to manage geospatial data with different projection systems (M2) 3. L3: Able to explain WebGIS, the basic principles of its design, and its Architecture (M3) 4. L4: Able to use various basic level geoinformation software (M3) 5. L5: Able to convey solution ideas systematically (M4)			
5	**Teaching Methods:** Lecturing, Group Discussion, Project-Based Learning			
6	**Assessment Methods:** Essay, Performance Test, Anecdotal Record/Logbook, Project Assessment			
7	**This Course is Used in The Following Study Programme/s as Well:** -			
8	**Responsibility for Course:** Alfi Nur Rusydi, S.Si., M.Sc.			
9	**Other Information:** Bibliography: 1. Ramdani, Fatwa. 2017. Pengantar Ilmu Geoinformatika. UB Press. Malang			