

1.Course Identity

Course name (Nama mata kuliah)	Disaster Management		
Faculty (Fakultas)	Science and Mathematics	Study Program (Program Studi)	Statistics
Code (Kode)	SST-202	Credit poin Sks (Bobot Sks)	3
Group (Grup)	Study Program	Enrollment obligatory (Sifat pengambilan)	mandatory/ optional*
Semester(s) in which the course is taught (Semester)	II	Availability (Ketersediaan)	Only available on Statistics Study Program
Learning method (Bentuk pembelajaran)	blended learning/online learning*	Media (Media)	Zoom, Google Classroom, and Video
Course category (Rumpun mata kuliah/blok)	university compulsory course/ SSP compulsory course/ practicum/ compulsory of scientific interest/ elective course*	Requirements (Prasyarat)	-
Lecture (Dosen pengampu)	Achmad Fauzan, S.Pd.,M.Si	Semester/ Academic year (Semester/ Tahun Akademik)	Even Semester 2020/2021

*) cross the unnecessary ones

2a. PROGRAM LEARNING OUTCOME (CAPAIAN PEMBELAJARAN LULUSAN)

LO Code (Kode CPL)	LO Description (Rumusan CPL)
Ku(a)	Able to apply logical, critical, systematic, and innovative thinking in the context of the development or implementation of science and technology that pays attention to and applies humanities values in accordance with their field of expertise.
PP(b)	Mastering several statistical methodologies (methods and models) to be used in solving problems in several fields

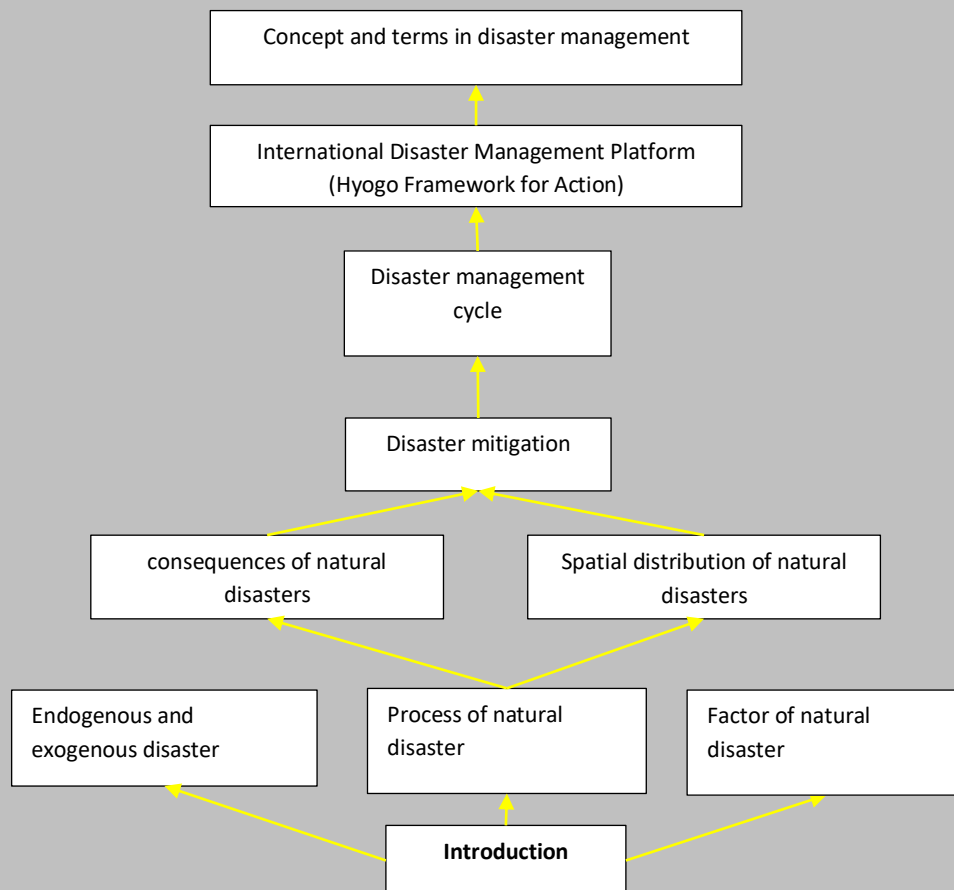
2b. COURSE OUTCOME (CAPAIAN PEMBELAJARAN MATA KULIAH)

Support ed PLO Code (Kode CPL yang didu- kung)	CO Code (Kode CPMK)	CO Descriptions and Indicators (Rumusan CPMK dan Indikator)	Learning Experience (Pengalaman Pembelajaran)	Assessment (Asesmen/penilaian)	Weight (Bo-bot)
Ku(a)	Kua1	1. Students are able to explain Endogenous and Exogenous Disasters. 2. Students are able to explain the process of natural disasters.	1. Students are able to understand and explain the concept of Endogenous and Exogenous Disasters. 2. Students are able to understand and explain the	Paperwork	20%

		3. Students are able to explain the Controlling and Triggering Factors of Natural Disasters: Natural Physical Factors, Human Factors.	process of natural disasters. 3. Students are able to understand and explain natural physical factors in relation to controlling and triggering factors of natural disasters. 4. Students are able to understand and explain human factors in relation to controlling and triggering factors of natural disasters.		
	Kua2	1. Students are able to explain the consequences of natural disasters that occur. 2. Students are able to explain the Spatial Distribution of Natural Disasters	1. Students are able to understand and explain the consequences of natural disasters that occur. 2. Students are able to understand and explain the spatial distribution of natural disasters	Essay Task	15%
	Kua3	1. Students are able to explain mitigation efforts that can be done. 2. Students are able to explain well the cases presented by students	1. Students are able to understand and explain mitigation efforts that can be done related to disaster management. 2. Students are able to understand and explain disaster cases from the results field observation.	Paperwork	15%
PP(b)	PPb1	1. Students are able to explain the disaster management cycle before a disaster occurs (pre-disaster) including: development planning, disaster mitigation, disaster prevention, development of a disaster early warning system, and disaster preparedness development strategies (preparedness). 2. Students are able to explain the disaster management cycle in the event of a disaster (syn-disaster) including: emergency response, disaster, evacuation, victim handling 3. Students are able to explain the post-disaster management cycle including: rehabilitation and reconstruction, PDNA (post disaster need assessment), DALA (Damage and Loss Assessment)	1. Students are able to understand and explain development planning prior to a disaster (pre-disaster). 2. Students are able to understand and explain the process of disaster mitigation before the disaster (pre-disaster). 3. Students are able to understand and explain the process of developing a disaster early warning system before a disaster occurs (pre-disaster). 4. Students are able to understand and explain the concept of a disaster preparedness development strategy (preparedness) before a disaster occurs (pre-disaster). 5. Students are able to understand and explain the concept of emergency response in the event of a disaster. 6. Students are able to explain evacuation in the event of a	Paperwork	30%

			disaster (syn-disaster). 7. Students are able to understand and explain handling in the event of a disaster (syn-disaster). 8. Students are able to understand and explain rehabilitation and reconstruction in disaster management. 9. Students understand and explain the Post Disaster Need Assessment (PDNA) process after a disaster occurs		
	PPb2	Students are able to explain the International Disaster Management Platform (Hyogo Framework for Action)	Students are able to understand and explain the International Disaster Management Platform (Hyogo Framework for Action)	Paperwork	10%
	PPb3	Students are able to explain Concepts and Terms in Disaster Management (risk, hazard, vulnerability, capacity, preparedness, resilience, mitigation, adaptation strategy, etc.).	Students are able to understand and explain concepts and terms in disaster management	Essay Task	10%

3. Program Learning Outcome Analysis Map (*Peta Analisis Capaian Pembelajaran*)



4. Reference (*Referensi*)

Offline

1. Coburn and Spence (1994). Disaster Mitigation, United Kingdom : Cambridge Architectural
2. Manajemen Penanggulangan Bencana [2017], Yogyakarta: ANDI.
3. Manajemen Bencana [2014], University of Brawijaya Press.
4. Analisis Bencana Menunjang Pembangunan Daerah [2016], Gadjah Mada University Press.
5. Aplikasi Metode Statistika untuk Analisis Data Hidrologi [2014], Yogyakarta: Graha Ilmu.
6. Statistika Klimatologi (2019), Yogyakarta: Mobius.

Online

1. <https://www.indonesiastax.co.id/>
2. <https://www.coursera.org/>
3. <https://bnpb.cloud/dibi/>
4. <https://www.bps.go.id/>

5. Detail of Learning Activities (*Rincian Aktivitas Pembelajaran*)

Session (sesi)	LOC/Sub- LOC/Criter ion (CPMK/Su b-CPMK/ Kriteria)	Study Material (Bahan Kajian)	Activity Design and Duration (Rancangan Aktivitas dan Durasi)	Mode	Learning Media/ Reference (Media Pembelajaran/ Referensi)
1-3	Kua1	Endogenous and Exogenous Disasters and process of natural disaster.	1. Lecturer gives an explanation about the definition of endogenous and exogenous disasters and process of natural disaster. 2. Students are doing some exercises about the definition of endogenous and exogenous disasters and process of natural disaster.	FFO	1, 2
4-6	Kua2	the Spatial Distribution of Natural Disasters.	1. Lecturer gives an explanation about the concept spatial distribution of natural disasters. 2. Students discuss about the concept spatial distribution of natural disasters.	CAA	1,2
7	Kua3	Disaster mitigations.	1. Lecturer gives an explanation about the disaster mitigations. 2. Students are doing some exercises about the disaster mitigations.	FFO	2
8		Midterm Exam.			
9-10	PPb1	disaster management cycle	1. Lecturer gives an explanation about the disaster management cycle. 2. Students are doing some exercises about the disaster management cycle.	FFO & SAA	1,2
11-12	PPb1	Disaster Management Platform (Hyogo Framework for Action)	1. Lecturer gives an explanation about the disaster management platform (Hyogo Framework for Action). 2. Students discuss about the disaster management platform (Hyogo Framework for Action).	FFO & SAA	1,2
13-15	PPb1	Concepts and Terms in Disaster Management	1. Lecturer gives an explanation about the Concepts and Terms in Disaster Management. 2. Students are doing some exercises about the Concepts and Terms in Disaster Management.	FFO & SAA	1,2
16		Final Examination			

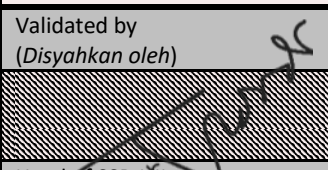
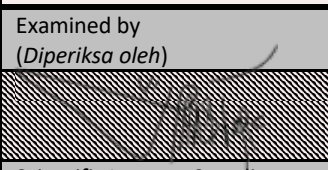
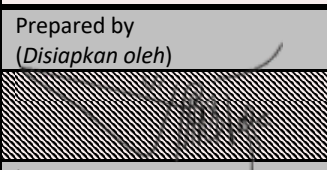
Information:

For mode, enter one of the following codes

- FF = activities that require **face-to-face** meetings in class (*aktivitas yang memerlukan tatap muka (TM) langsung di kelas*);
- FFO = activities that require **face to face online** (*aktivitas yang memerlukan tatap muka secara daring (tatap maya/TMD)*);
- SAA = standalone asynchronous online activity (*aktivitas daring asinkron mandiri/ASM*);
- CAA = collaborative asynchronous online activities (*aktivitas daring asinkron kolaborasi/ASK*);

Learning / reference media can be in the form of (1) self-produced results, (2) curated results: media sourced from the internet or other sources chosen by the lecturer, and / or (3) students' own exploration results.

6. Assessment and Evaluation System (<i>Sistem Penilaian dan Evaluasi</i>)	
Assessment System (<i>Sistem Penilaian</i>)	Benchmark Reference Assessment = PAP (Penilaian Acuan Patokan)
Evaluation System (<i>Sistem Evaluasi</i>)	Each student must achieve a minimum grade / predicate of C for each CLO. If it has not fulfilled it, then the student is obliged to take an examination / remedial assignment for the related CLO.

Date:	Date:	Date:
Validated by (<i>Disyahkan oleh</i>)	Examined by (<i>Diperiksa oleh</i>)	Prepared by (<i>Disiapkan oleh</i>)
		
Head of SSP-UII Dr. Edy Widodo, M.Si.	Scientific Interest Coordinator Achmad Fauzan, S.Pd., M.Si.	Lecture Achmad Fauzan, S.Pd., M.Si.