UNIVERSITAS NEGERI PADANG

Faculty of Social Sciences
Department of Geography

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DESCRIPTIONS	
▪ **Module Name**	INDONESIAN REGIONAL CLIMATOLOGY
▪ **Module Level**	Bachelor
▪ **Code**	GEO1.62.2007
▪ **Subheading**	--
▪ **Classes**	2017
▪ **Semester**	2nd
▪ **Module Coordinator**	WIDYA PRARIKESLAN, M.Si
▪ **Lecturer**	Team: Dilla Angraina, S.Si, M.Pd Sari Nova, S.Pd, M.Sc
▪ **Language**	Bahasa Indonesia
▪ **Classification within the curriculum**	Compulsory course
▪ **Teaching format / class hours per week during the semester**	100 minutes lectures, 120 minutes structured activities and 120 minutes self-study per week.
▪ **Workload**	Total workload is 91 hours per semester which consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes self-study per week for 16 weeks
▪ **Credit points (SKS)/ECTS**	**2 SKS (3,02 ECTS)**
▪ **Prerequisites course(s)**	-
▪ **Course outcome**	After taking this course the students have the ability to: CO1: Analyze differences, genetic and empirical climatic conditions in Indonesia

	CO2: Analyzes the geographic location and physical characteristics of the Indonesian archipelago which has many roles in the formation and change of weather and climate CO3: Describes the nature of the sun's rays as an energy provider both on a global scale and on a local scale. CO4: Analyzing climatic variations of climate elements in Indonesia
▪ **Content (konten materi)**	Academic level The Indonesian Regional Climatology Course explains the climate of the Indonesian region from a dynamic and synoptic aspect which is compiled with the starting point of the concept of thinking that weather and the phenomena that occur are the result of the interaction of various earth - sea - air - biosphere systems, which are driven by solar energy.
▪ **Study / exam achievements**	
▪ **Forms of media (media yang digunakan**	Power Point, Video, Image, Board, LCD Projector, Laptop/Computer
▪ **Literature (daftar pustaka)**	1. ADPC. 2000. ENSO Impact and Potential Forecast Application in Indonesia. Extreme Climate Event Program, Asian Disaster Preparedness Centre, Bangkok, Thailand. 2. Aldrian E, and Susanto RD. 2003. Identification of Three Dominant Rainfall Regions within Indonesia and their Relationship to Sea Surface Temperature, Intl. Journal Climatology., 23, 1435-1452. 3. Allan R. 2000. ENSO and Climatic Variability in The Past 150 years, in ENSO: Multiscale Variability and Global and Regional Impacts, Diaz, H & Markgraft, V. (Eds), pp. 3-55. Cambridge University Press. Cambridge. 4. Annamalai H, Liu P, Xie SP. 2005. Southwest Indian Ocean SST Variability: its Local Effect and

Remote Influence on Asian Monsoons. Journal Climate 18:4150-4167.
5. Arsyad, Syofyan, Bahrin Samad dan Husainy Azharny (1981). Ilmu Iklim dan Pengairan, CV. Yasaguna, Jakarta.
6. Ashok K, Behera SK, Rao SA, Weng H, dan Yamagata T. 2007. El Niño Modoki and Its Teleconnection. Journal Geophys Res 112: C11007. doi: 10.1029/ 2006JC003798.
7. Ashok K, Guan Z, and Yamagata T .2001. Impact of the Indian Ocean Dipole on the Relationship between the Indian Monsoon Rainfall,Geophys.Res.Lett
8. As-syakur AR. 2010. Pola Spasial Pengaruh Kejadian La Niña terhadap Curah Hujan di Indonesia Tahun 1998/1999; Observasi Menggunakan Data TRMM Multisatellite Precipitation Analysis (TMPA) 3B43. Journal of Ocean Science: In Press.
9. AVISO. 2005. What is El Niño?. http://www.jason.oceanobs.com/html/ applications/enso/Niño_explication_uk.html. [24 Oktober 2013]
10. Badan Meteorologi dan Geofisika.2003. Pemutakhiran Tipe Hujan 1971 – 2000. BMG.
11. Badan Meteorologi Klimatologi Da Geofisika. 2009. Atlas Normal Iklim Di Indonesia Periode 1971-2000.
12. Badan Meteorologi Klimatologi dan Geofisika. 2011. Evaluasi Cuaca & Sifat Hujan Bulan Agustus 2011 serta Prakiraan Cuaca dan Sifat Hujan Bulan September 2011. Bulletin Metereologi. Badan Metereologi Klimatologi dan Geofisika Stasiun Meteorologi Otorita Batam.
13. Badan Meteorologi, Klimatologi dan Geofisika, 2013. Prakiraan Musim Hujan 2013/2014. Jakarta.
14. Boer R. 1999. Perubahan Iklim, El Niño dan La Niña. Makalah dalam Pelatihan Dosen-dosen

	Perguruan Tinggi Indonesia Bagian Barat dalam Bidang Agroklimatologi. Bogor: Biotrop. 15. Boer, R. and I. Wahab. 2007. Use of Sea Surface Temperature for Predicting Optimum Planting Window for Potato at Pengalengan. Climate Prediction and Agriculture Advance and Challenge. Mannava V.K.S. and J. Hansen (Eds.). World Meteoroligal Organization. Chapter 14:135-142.

PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8
CO1	v							
CO2	v							
CO3						v		
CO4	v							

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