

Syllabus

General information

Course:	GEU 0136 – Climatology (3 credits)
Time:	Thursdays, 14:20 – 17:20
Place:	正 205
Instructor:	Shu-Ping Weng, 勤 Hall, R927
Office Hours:	(TBA)
Contact:	e-mail: znspw302@ntnu.edu.tw (Please use it whenever possible.) Tel: 7734-1633(office); 7734-1639(lab.)
Textbook:	<i>Global Physical Climatology</i>, Dennis Hartmann, 1994 (1st ed.); 2016(2nd ed.). Book is available at NTNU library.
Reference:	<i>Atmosphere, Weather and Climate</i> , 9 th edition, by Barry and Chorley, Routledge, 2010. E-book is available at NTNU library . <i>Meteorology Today: An Introduction to Weather, Climate, and the Environment</i> . 9 th edition, C. D. Ahrens; 2009.
Prerequisites:	氣象學(大一上)
Mid-term Exam:	Thursday, April 25th, 2019, 13:00 – 18:00
Final Exam:	Thursday, June 20th, 2019, 13:00 – 18:00

Description: This course builds on GEU0047, Introduction to Meteorology, by expanding some of the topics with more **quantitative** and **physical** approaches, and by focusing on the *planetary scale processes* that lead to our climate. Climatology is in fact an upper division science, in addition to serving as a general education course. Therefore, it is a required core course for geography majors. In the context of climatology, students will learn its basic principles and methodologies in physical sciences. Students will have the opportunity to apply their knowledge and skills obtained previously to investigate different topics related to climatology. For students majoring in Geography, they will have the opportunity to enhance their understanding of the earth's **physical environment** and to be exposed to various applications of climatology.

Grading

Attendance (10%)

3 Essay reports (30%); **No longer than 1,500 words (Due dates; 3/31, 4/30, 5/31; Please send in by email)**

Mid-term **oral** exam (30%)

Final **oral** exam (30%)