

Thai Culture/ Social study 2

Basic Course Information			
Course Number	01002052	Subject Category	Compulsory (G)
Class Format	Lecture	Credit Type and Number of Credits	1
Department	Mechatronics	Student Category	Year 3
Period of Study	Semester 2	Classes per Week	1
Required Materials	Class hand out, Book, Human Geography (2020), USGS - Urban Geography (2021), Similiar Technology Transpiration Network.		
Instructor			

Course Objective			
1. To understand and apply the concept and method of geography and multidisciplinary approach and connect to SDGs.			
2. To understand and analyze about geography and disaster of our planet.			
3. To understand and apply the knowledge of geography with engineering.			

Evolution (Rubric)	High Level of Achievement (Very Good)	Standard Level of Achievement (Good)	Unacceptable Level of Achievement (Fail)
Geography approach.	Can apply methodology of geography and multidisciplinary approach with their engineering skills.	Can understand basic knowledge and basic engineering skills.	Can not understand knowledge of geography.
Disaster and Geography.	Can understand the impact and effect of disaster. Be able to apply knowledge of Disaster management with their engineering skills.	Can understand basic of Disaster management.	Can not understand about Disaster in their daily life.
Knowledge of geography with engineering.	Can apply the geography concept with engineering skills in deeply. Be able to collaboratively work in group and present their knowledge.	Can understand basic concept of geography and apply some topics with their engineering skills.	Can not understand and apply concept of geography with engineering skills.

- G22** Enriched personality with wide range knowledge and understanding of history, culture and society of Thailand and love of nation.
- G24** Creativity to make a new value with fusing the knowledge from various fields.
- G25** As an engineer, attitude to act with awareness of social roles and responsibility to make a better society.

Teaching Method	
Outline:	This course provides students with opportunity to acquire basic geography skills in social sciences.
Class Format:	Lecture, Discussion and group presentation, Self learning.
Prerequisite:	

Course Plan	Semester 2	Contents and Method of Course	Goals	Related MCO
1st week		Course Introduction	Understand the overview of content in Geography. All content are connect to SDGs. Goal 2 (Zero Hunger), Goal 6 (Clean Water and Sanitation), Goal 7 (Affordable and Clean Energy), Goal 9 (Industry, Innovation and Infrastructure), Goal 11 (Sustainable Cities and Communities), Goal 13 (Climate Action), Goal 14	B-C 1 1 B-C 1 2 B-C 1 3 B-C 2 1 B-C 2 2 B-C 3 14 B-C 3 14 B-A 1 2 B-B 4 7 B-D 4 8
2nd week		What is human?	Discuss about human and non-human relation	B-C 1 2 B-C 2 1 B-B 2 8 B-C 3 8 B-D 4 7
3rd week		What is Geography?	Describe method and discuss about Geography discipline.	B-C 1 2 B-C 2 1 B-B 2 8 B-C 3 8 B-D 4 7
4th week		Human Geography	Discuss about human and geography. Describe the problem of every day life.	B-C 1 2 B-C 2 1
5th week		Population Geography	Discuss about population growth, world population distribution and aging of the population.	B-C 1 2 B-C 2 1 B-C 3 8 B-D 4 7
6th week		Cultural Geography	Discuss about standard of living, race, language, land and density.	B-C 1 2 B-C 2 1
7th week		Cultural Geography	Describe the cultural landscape, cultural diffusion and cultural area in the world.	B-C 1 2 B-C 2 1 B-C 3 8
8th week		Urban Geography	Discuss about urban evolution and urbanization. Understand urban problems and solutions.	B-C 1 2 B-C 2 1 B-D 4 18 B-C 3 8 B-D 4 7
9th week		Urban Geography	Discuss about urban function, size and distribution. Understand the difference of urban and city.	B-C 1 2 B-C 2 1 B-D 4 18 B-C 3 8 B-D 4 7
10th week		Midterm Examination		
11th week		Economic Geography	Discuss about primary economic activities and raw materials for Manufacturing.	B-B 2 8 B-C 3 8 B-D 7 17
12th week		Economic Geography	Discuss about secondary economic activities, transportation and communication. Describe topography, climate and water.	B-B 2 8 B-C 3 8 B-D 7 18
13th week		Geography of Development	Discuss about theory of development studies.	B-C 1 2 B-C 1 2 B-E 5 20 B-E 7 17
14th week		Geography of Development	Discuss about development studies. Understand the poverty and inequality in the world.	B-C 1 2 B-C 1 2 B-C 7 18
15th week		Geography of tourism	Describe about sustainable development of tourism and growth of tourism.	B-C 1 2 B-B 2 8 B-B 2 8 B-C 1 2
16th week		Geography of Agriculture and Food	Describe Agriculture Revolution(global food security, food loss, food waste and genetically modified organism).	B-C 1 2 B-C 1 2 B-C 1 1
17th week		Geography of Thailand	Discuss about regional geography of Thailand disaster problems and solutions.	B-C 1 2 B-C 1 1 B-C 2 2 B-C 1 3
18th week		Geography of Manufacturing	Discuss about industrial land use, industrial linkage and transportation for industry.	B-C 1 1 B-D 7 18 B-C 7 18 B-C 7 20 B-C 7 21
19th week		Final Examination		
20th week		Final Examination		

	Examination	Prerequisite	Task & Classwork	Record	Prerequisites	Other
Geog. Ability	25	25	10			
Technical Ability						
Multidisciplinary Ability						