











Urban Resilience and Adaptation for India and Mongolia: curricula, capacity, ICT and stakeholder collaboration to support green & blue infrastructure and nature-based solutions 619050-EPP-1-2020-1-DE-EPPKA2-CBHE-JP



Introduction to the course **ENVI312/ENVI618**

Ass. Prof Enkhtsetseg Sosorbaram & Davaadorj Davaasuren **National University of Mongolia**

https://online.num.edu.mn/courses/course-v1:/







CONTENT



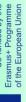
















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- Course schedule Lecture
- Course schedule Seminar
- Literature
- Teaching and learning method How to attend an E-course?



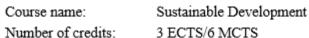
solution











Period: Fall/Spring semester

Host institution	National University of Mongolia, School of International relations and Public Administration, School of Arts& Science	
Lecturer	Enkhtsetseg Sosorbaram,	
	Davaadorj Davaasuren	
Level	PhD / Master course	
Course type	Major course	
Course duration	16 weeks	
New/Revised	A newly developed	
E-course link	https://online.num.edu.mn/dashboard	

Target student audiences

Master or PhD students majoring in environmental science with international cooperation.

Summary

This subject is contained to compare the historical events of XX and XXI with global cooperation development. The development strategies are different, based on the similar goal, values, concepts, and development models are becoming more and more aligned through globalization and cooperation. Climate change, global warming, air pollution, international marine and space resources will be considered in connection with the common desire to share. It will compare the implementation of policies and international cooperation projects and programs to identify and implement the environmental problems in Mongolia within the framework of the 17 Sustainable Development Goals.













Aims and objectives

The main course objective is to observe and evaluate the global development process of implementing policies and strategies to ensure sustainable development at the international level, to use the mechanisms of global multilateral cooperation in the field of environment optimally for the green development strategy of MU and to ensure sustainable development. is to train national experts. In doing so, sustainable development will be introduced to multidisciplinary research methods within the context of international relations and conflicts between countries

Prerequisites

Required courses (or equivalents): Environmental science ENVI200

The authentic tasks

During the classes, all student should submit the homework before the exams, to write essay and individual project about sustainable development goals and green development issues. Also, after the each lectures, to write questions about topics and discuss the next topics for homework.







General learning outcomes:

By the end of the course, successful students will:

Knowledge	 To learn and basic knowledge about the 17 Sustainable Development Goals from United Nations. To understanding the revolution, main theories and concepts sustainable development issues. To explain the main problems and other factors to affecting sustainable development and how to implement sustainable development in practice 				
Comprehensive	 To explore the challenges facing society in transitioning to renewable resource use To understand the relationship between science, technology, economics and politics that underpins the concept of sustainability Understand the consequences of resource overuse, population growth, economic growth, and sustainability 				
Application	 Ability to think critically to evaluate the quality, plausibility, and limitations of an argument or solution using appropriate evidence and resources To identify and apply methods for evaluating the achievements of sustainable development To use the data mining or Big Data 				
Analysis	~ To analyze and compare the arguments, similarities and differences in the sustainability debate				
Synthesis	 To communicate effectively, both orally and in writing, using appropriate rhetorical standards (eg, audience adaptation, language, argument, organization, evidence, etc.). To develop students' ability to develop an understanding of the individual, society and their role in the field of sustainable development 				







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Grading and assessment

Grading

The students' performance will be based on the following:

Progress assessment ((40%):
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- Exercise (20%): students have to complete the quiz or exercise of each topic.
- Homework (20%): 1. Energy data and indicators of EDP (10%), one essay for selected paper reading (10%).

Final assessment (30%): Assessment

> Group report (30%): The students will be divided into groups of 4-5 students and choose 1 topic among 6 topics including hydropower, biomass energy, waste to energy, solar energy, wind energy and energy efficiency and complete the group project report according to the specific requirements of each topic.

Final examination (30%)

Evaluation EU system	A (8,5 – 10) B (7,0 – 8,4) C (5,5 - 6,9) D (4,0 – 5,4)	Evaluation MN system	95-100 90-94 85-89 80-84 75-79 70-74 65-69 60-64	A A- B B- C C- D	4.0 3.6 3.1 2.7 2.3 1.9 1.4 1.0
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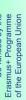














Course schedule - Lecture 6	$\begin{array}{c c} 1 & 2 & 3 & 4 \end{array}$	Course schedule - Lecture		6	
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Week	In-class hours	Topic	Туре			
1	2	~ Development and concepts of Sustainable Development and trends	Lecture			
2	2	~ Affordable growth, consumption and lifestyles	Lecture			
3	2	~ Evaluation of sustainable development	Lecture			
4	2	~ Global biodiversity and environmental problems	Lecture			
5	2	~ Climate changes: concepts, hypotheses and problem	Lecture			
6	2	~ Public health and food supply and environmental quality	Lecture			
7	2	~ Economic tools for sustainable development and challenges in their implementation	Lecture			
8	2	~ Mechanism of triple P	Lecture			
9	2	~ International environmental organizations and development, cooperation	Lecture			
10	2	~ Multilateral mechanism of investment financing for sustainable development	Lecture			
11	2	~ Environmental policy and reforms in Mongolia	Lecture			
12	2	~ International environmental legislation and development	Lecture			
13	2	~ Environmental policy and regulatory mechanism in Russia	Lecture			
14	2	~ Environmental policy and regulatory mechanism in China	Lecture			
15	2	~ Urbanization in world and metropolitan cities	Lecture			
16	2	~ Nuclear bomb test and other military activities	Lecture			
	Lecture 32					

















Week	In-class hours	Торіс	Туре
1	2	~ Sustainable Development Goals: Implementation of 17 goals	Seminar
2	2	~ To changes of development concept and perspectives in 21st century	Seminar
3	2	~ Socio-economic indicators of sustainable development	Seminar
4	2	~ Noosphere – challenge of the Anthropocene	Seminar
5	2	~ Environmental change: global warming or environmental pollution	Seminar
6	2	~ Global agriculture development: history, soil erosion, land degradation	Seminar
7	2	~ Poverty, food security and human rights	Seminar
8	2	~ Government and public cooperation	Seminar
9	2	~ Environmental problems in Mongolia	Seminar
10	2	~ International demographic issues	Seminar
11	2	~ International organizations, cooperation, aid, concessions – economic support	Seminar
12	2	~ Vision, 2030-2050 from Mongolia government	Seminar
13	2	~ Space, space and marine legal issues - blue economy- international space	Seminar
14	2	~ Comparison of sustainable and green development policies in neighbors (Russia and China)	Seminar
15	2	~ Case studies of environmental and sustainable development	Seminar
16	2	~ Science and technology development	Seminar
Seminar 32			



Course assignments/tests

Students will design the individual research project that addresses a sustainable development challenges involving green development. The focus of the research project can be any topic that will promote sustainability practices.

Literature

Compulsory:

- 1. Sarkar, Runa, and Anup Sinha. Economics of Sustainable Development, Business Expert Press, 2016. ProQuest Ebook CentralB https://ebookcentral.proquest.com/lib/hselibraryebooks/detail.action?docID=5184983 Англи хэлээр.
- The Handbook of Global Climate and Environmental Policy edited by Robert Falkner., 2013.Wiley-Blackwell 538 p

Recommended:

- 1. Монгол Улсын Их Хурал. 2016 оны 19-р тогтоол. Монгол Улсын Тогтвортой Хөгжлийн Үзэл Баримтлал -2030.
- Монгол улсын ҮАБ-ын үзэл баримтлал, 2010 он
- Монгол улсын Гадаад бодлогын үзэл баримтлал, 2011 он
- МУ-ын Ногоон эдийн засгийн үндэсний стратеги, 2010
- Бодлогын баримт бичиг: Алсын хараа 2050, 2020 он



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Literature











Overview of sessions and teaching methods

The course will make most of interactive and self-reflective methods of teaching and learning and, where possible, avoid standing lectures and presentations.

Teaching and learning method - How to attend an E-course?

Learning methods	District the state of the state			
	1.	The main concepts of Sustainable Development		
	2.	Consumptions and lifestyle changes		
	3.	Criteria for sustainable development		
	4.	World biodiversity		
	5.	Climate change and climate warming		
	6.	Food supply		
	7.	Economic tools for sustainable development		
Course	8.	Triple P mechanism		
outline	9.	Midterm exams		
	10.	International Environmental Organizations		
	11.	Investment Financing for Sustainable Development		
	12.	Environmental policy of Mongolia		
	13.	legal regulations of the international environmental policy		
	14.	Environmental policy of Russia		
	15.	Environmental policy of China		
	16.	Nuclear power and weapons test for		

The course will conduct online form that means students no longer needed to come to the university for the lecture class. For the laboratory work, students can come to the class, if they need. Most of the interactive and self-reflective methods of teaching-learning will be applied to the course, where possible, avoid standing lectures and presentations. All video lectures, and laboratory works were prepared and embedded in OpenEDX based online learning platform of the university.

Teaching and learning method - How to attend an E-course?

How to attend an E-course:

- https://online.num.edu.mn/
- ➤ Select a course. ENVI312/ENVI618
- Register the course. Enroll in ENVI312/ENVI618
- ➤ The follow the steps to Register the OpenEDX system.
- After changing the password, enter the e-learning system.
- > Enter the course

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- About course
- Lecture and laboratory video key questions
- **Syllabus**
- Core study book
- Additional study materials
- 6. Discussion
- Assignment and result

Cause of the e-course, students can attend the class anytime and anywhere in the term.









Online course

https://online.num.edu.mn/courses/course-v1:NUM+ENVI402+2022/course/



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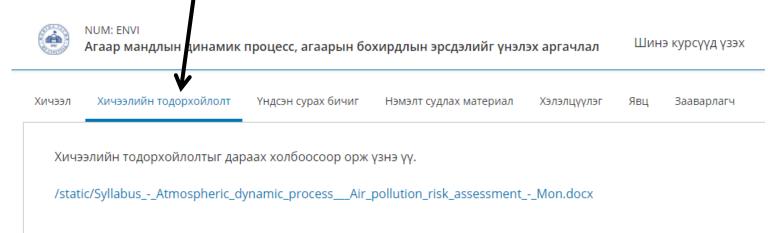
NUM - ENVI402 Дууссан - May 31, 2022

Архивласан Хичээлийг Үзэх

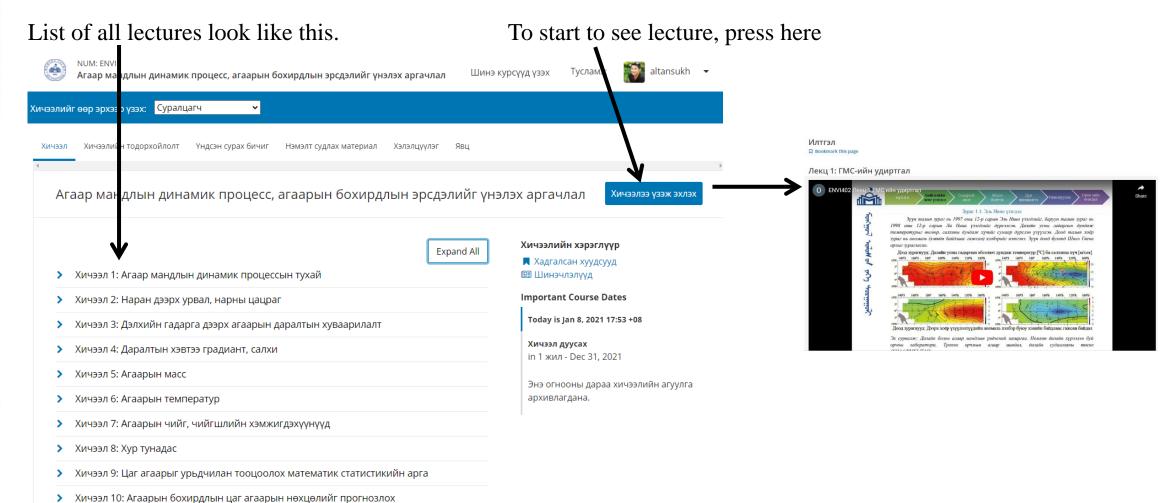
Sign-in the e-course using e-mail.

Sign In Цахим шуудан ****@stud.num.edu.mn 'МУИС-ийн цахим хичээл' -д МУИС-ийн албан ёсны цахим шуудан ашиглана. Hyyц γг Forgot password? Remember me

See and download syllabus



> Хичээл 11: Хотын агаарын бохирдлын дэвсгэр нөхцөлийг прогнозлох







Discussion section

Бүх хэлэлцүүлэг

бичлэгүүд

Week 1

★ Миний дагаж байгаа

Topic-Level Student-

Topic-Level Student-Visible Label (9)

Topic-Level Student-

Topic-Level Student-

Visible Label (3)

Visible Label (2)

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аргачлал How to use 'МУИС-ийн цахим хичээл' discussions Use the All Topics Find Filter and sort menu to find Search all posts discussions specific topics. Vote for good Report abuse, Engage with Follow or posts and topics, and unfollow posts posts responses responses Check this box to receive an email digest once a day notifying you Receive about new, unread activity from posts you are following. updates

Assignment and result

