E-COURSE:

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| Institution | Khovd University of Mongolia |
| Course name | **Land Use and Pasture Land Management** |
| Credits | 2 ECTS 30 in class hours |
| Course type | Specific course (optional course) |
| Lecturers | B.Bayarkhuu, E,Amarjatgal |
| Level | MSc and PhD courses |
| Course duration | 16 weeks |
| Type | General skill |

Summary (main concept and understanding)

This course serves as land management and pasture land management on nomadic lifestyle processes.

The course will provide land management and pasture land use and land degradation, and land pricing, and pastureland ecology and their changes, future steps for sustainable land management. Land use, pastureland ecology study results give methods that how to do environmental-related research and improvement of policy.

Also, provide land pricing knowledge will include a basic understanding of land pricing and the practice of urban land price. To evaluate the land price, we need to choose and carry out proper methods which can apply in Mongolia considering the unique, harsh ecological situation. Mongolia has an enormous history of land evaluation that has been giving the main factor for land using for long-lasting. This course can improve a comprehensive understanding of land price and the current situation of Mongolian urban land pricing. Land pricing is a meaning that will not define in a single word.

It will give you a compiled concept of land ecological and economical pricing. Furthermore, the course provides you the most popular evaluation approach for pricing. In addition, it includes the current situation of integrating combating desertification topic into environmental education curricula in Mongolia.

It intends for master's and doctoral students studying environmental science, education, and urban management disciplines. This course includes data collection, data analysis, individual and group assignments, seminar presentations, and report writing.

Key word (8-12 words)

Land, land use, pasture land, environmental sciences, natural resources, management, pasture ecology, policy.

Target audience

MSc and Ph.D. students in environmental science, geography, land management and educational studies.

Prerequisites

Required courses (or equivalents):

- Land Management and Land Cadaster

- Geography and Environmental Sciences

- landscape study

- Soil geography

Aims and objectives

The training aims to understand the basic definition of land use and environmental resources, Mongolian land patterns, pastureland ecology, and management.

* To learn and understand the environment and natural resources and their understanding
* To learn and understand the land and its definition
* To learn and understand Mongolian land use a defining traditional land use
* To learn and understand Mongolian land-use patterns and funds
* To learn and understand Mongolian pasture land ecology and land management
* To learn and understand the land pricing concept
* To learn previous studies on the Mongolian land pricing
* To learn and understand Mongolian urban land pricing methods
* To understand urban land pricing zone
* To learn three main evaluation approaches and their usages
* To learn fundamental price and factors affecting the prices
* To understand the urban mass approach

General learning outcomes:

End of this course, successful students will

- Understanding of land and environmental sciences

- Mongolian land-use patterns

- Mongolian pastureland ecology and management

- Understanding of land price and its methods

- Urban land pricing policy and management

- Urban land price and its unique features

- To learn previous researches for land pricing and history

- To learn and understand factors influencing the prices and reasons and social necessaries

- To understand the current situation of integrating combating desertification topic into environmental education curricula in Mongolia.

Applicable learning outcomes:

- Critically reflect the importance of land ecology and land use management

- Can be carried out pastureland ecology changes

- Be aware of land pricing and previous researches knowledge

- Be aware of the land pricing process and policy

- Critically reflect the importance of land pricing and define factor influencing

- Write a report, group discussion, conduct interview

- Be able to develop summaries for policy-makers

Overview of sessions and teaching methods

The course will be using interactive and self-reflective methods of teaching and learning and, where possible, avoiding standing lectures and presentations. It will open with an extended integrated introduction to Mongolian land management, environmental-related understanding, and land pricing management. The first part of this course has given you knowledge of Mongolian land patterns, pastureland ecology researches. The study area has located in the steppe zone in Mongolia. We will learn the land pattern’s reporting process for the national integrated land management process. The second part of the course will discuss a case study of Darkhan city land pricing. More precisely, knowledge and research on urban land evaluating steps, basic concepts of social necessities, issues, and methods for solving the issues. As the third part of the lecture, the students will work in groups for exchanging. Also, students can evaluate the land price using the land pricing equation per meter square land parcel. Finally, we will discuss an integrating combating desertification topic into environmental education curricula in Mongolia. An ability to critically and creatively discuss key concepts, tools and methods has been presented in the literature. It will include the data collection, calculations, report writing, and make the presentation.

Course workload

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| Activities | Learning outcomes | Assessment | Workload (hours) |
| In-class activities | | | |
| Lectures | Understanding theories, concepts, methodology and tools. It includes land use, pasture land ecology and management, land pricing, and desertification education for sustainable development. | Class participation | 30 |
| Moderated in-class discussions | Understand the influencing factors for the price and pricing equation. Classify influencing factors and define the initiate factors. Analyzing the current condition and carry out the solving ways for the pricing and zoning of urban land parcels. | Class participation and preparedness for discussions | 30 |
| In-class assignments | To understand the various policy and management contexts and problems in communication in urban land management. Pastureland ecology and changes. Proper management for pasture ecology. | Class participation and preparedness for assignments | 30 |
| Independent work | | | |
| Paper review and discussion | Familiarity with an ability to critically and creatively discuss key concepts, tools, and methods as presented in the literature | Class participation creative and active contribution to discussion | 30 |
| Basic Concepts & Definitions | To understand basic concepts and their application, components. It will include the data collection, calculations, report writing, and make the presentation. | Group discussion and self-work Individual report and presentations | 30 |
| Total |  |  | 150 |

Grading

The performance of the student will be assessed on the basis of the following: common

- Preparedness level for involvement in class discussions and seminars - 30% (out of 100%);

- Input to group tasks and individual task presentation - 30% (out of 100%). From 100% for distinctly displayed inputs to 0% for non-participation);

- Performance in implementation in method and documenting and presentation – 30% (out of 100%). From 100% for a distinctly displayed report and presentation to 0% for non-participation):

~ Proper use of the approach + 10%

~ Report writing + 10%

~ Making presentation + 10%

Course schedule

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| --- | --- | --- | --- | --- |
| Class | Duration | Topic | Type | lecturer |
| 1 | 90 minutes | Introduction to land use and management process | Lecture | B.Bayarkhuu  E.Amarjargal |
| 2 | 90 minutes | Basic concept and definitions: Land and land use | Lecture | B.Bayarkhuu  E.Amarjargal |
| 3 | 90 minutes | Basic concept and definitions: Land use patterns | Lecture | B.Bayarkhuu  E.Amarjargal |
| 4 | 90 minutes | Land use planning and management | Lecture Seminar | B.Bayarkhuu  E.Amarjargal |
| 5 | 90 minutes | Agricultural land | Lecture | B.Bayarkhuu  E.Amarjargal |
| 6 | 90 minutes | Pasture land use and management | Lecture Seminar | B.Bayarkhuu  E.Amarjargal |
| 7 | 90 minutes | Pastureland ecology: Water supply | Lecture | B.Bayarkhuu  D.Enkhtuul |
| 8 | 90 minutes | Pastureland ecology: Soil changes | Lecture | B.Bayarkhuu  D.Enkhtuul |
| 9 | 90 minutes | Pastureland ecology: Vegetation cover changes | Lecture | B.Bayarkhuu  D.Enkhtuul |
| 10 | 90 minutes | Evaluating the management effectiveness of pastureland ecology | Group and self-work | B.Bayarkhuu |
| 11 | 90 minutes | Pasture capacity, pasture capacity approaches | Lecture | B.Bayarkhuu  D.Enkhtuul |
| 12 | 90 minutes | Pasture land degradation and desertification | Lecture | B.Bayarkhuu |
| 13 | 90 minutes | Basic concept and definitions: Land pricing | Lecture | B.Bayarkhuu |
| 14 | 90 minutes | Evaluate the land price using the land pricing equation per meter square land parcel | Lecture Seminar | B.Bayarkhuu |
| 15 | 90 minutes | Discuss and improvement of desertification education for sustainable development | Group and self-work | B.Bayarkhuu |
| 16 | 90 minutes | Presenting final results  Choosen subject for presentation | Presentation | B.Bayarkhuu |

Course assignments

Course assignment will constitute a multi-part project:

~Assignment #1 Introduction: 2 pages of review note in 1 Class

~Assignment #2 Basic concepts & definition: includes 2-4 classes

~Assignment #3 Surveys & Assessment: Includes 5-9 classes

~Assignment #4 Presenting: Full report 16 classes

Literature-compulsory

* Пүрэвцэрэн Г., 2000. Газрын сангийн менежмент. Улаанбаатар, 202 хууд.
* Пүрэвцэрэн Г., Наранцацралт Ж., 2000. Газрын менежментийн онолын үндэс. Улаанбаатар, 94 хууд.
* Д. Аваадорж., бүгд. 2000. Газрын экологи, эдийн засгийн үнэлгээ. ЭШТ. Геоэкологийн хүрээлэн. Улаанбаатар.
* Д. Батаа. 2010. Эдийн засгийн онол. Улаанбаатар
* Г. Гантулга., Б. Чинбат. 2011*.Газарзүйн асуудлууд №353 (11)*
* Р. Ганхуяг. Монгол улсын газрын шинэтгэлийн бодлого.
* Эмхэтгэсэн Д. Даш. 2008. Газар ашиглалтын онол аргазүйн асуудлууд. Улаанбаатар хот. Согоо нуур хэвлэлийн компани.
* Засгийн газрын 2003 оны 103 дугаар тогтоолын 2 дугаар хавсралт
* Засгийн газрын 2003 оны 103 дугаар тогтоолын 3 дугаар хавсралт
* Засгийн газрын 1997 оны 152 дугаар тогтоолын 2 дугаар хавсралт
* Монгол улсын хууль. Газрын тухай. 2002 он
* Монгол улсын хууль. Газрын төлбөрийн тухай. 1997 он
* Монгол улсын газрын нэгдмэл сангийн тайлан.
* Ц. Цэрэнбалжир., С. Бадрах., Б. Энхмаа., Ц. Лхамсүрэн. 1998. Газрын чадавхийн үнэлгээ. ЭШТ. Геоэкологийн хүрээлэн. Улаанбаатар.
* Ц. Цэрэнбалжир., Б. Наранчимэг. 2004. Газрын кадастр. Улаанбаатар. Урлах эрдэм хэвлэлийн газар
* Цэгмэд Ш., 1986. Монгол орны физик газарзүй. Улаанбаатар

Literature-recommended

1. Байгаль орчныг хамгаалах тухай хууль. “Төрийн мэдээлэл”, 1995 он, № 5-6.
2. Газрын тухай хуул. “Төрийн мэдээлэл”, 2002 он, №27.
3. Газрын төлбөрийн тухай хууль. “Төрийн мэдээлэл”, 1997 он, №5.
4. Иргэний хууль. “Төрийн мэдээлэл”, 2002 он, №7.
5. Кадастрын зураглал ба газрын кадастрын тухай хууль. “Төрийн мэдээлэл”, 2000 он, № 1.
6. Монгол улсын иргэнд газар өмчлүүлэх тухай хууль. “Төрийн мэдээлэл”, 2002 он, № 27.
7. Монгол улсын үндсэн хууль. “Төрийн мэдээлэл”, 1992 он, №1.
8. Тусгай хамгаалалттай газар нутгийн тухай хууль. “Төрийн мэдээлэл”, 1995 он, №2.
9. Тусгай хамгаалалттай газар нутгийн орчны бүсийн тухай хууль. “Төрийн мэдээлэл”, 1997 он, №11.
10. Бааст А., Пүрэвцэрэн Г., 1986. БНМАУ-ын газрын нэгдмэл фонд, түүний ашиглалтыг сайжруулах арга зам. Улаанбаатар, 87 хууд.
11. Базаргүр Д., 1998. Бэлчээрийн мал аж ахуйн газар зүй. Улаанбаатар, 379 хууд.
12. Даш Д., 2008. Газар ашиглалтын онол-аргазүйн асуудлууд. Улаанбаатар, 215 хууд.