**SYLLABUS:**

**Urban sociology and demography**

Course name: Urban sociology and demography

Number of credits: 3 ECTS/6 MCTS

Period: Fall/Spring semester

|  |  |
| --- | --- |
| Host institution | Branch of National University of Mongolia in Khovd |
| Lecturer | Otgonbayar Demberel (Ph.D) and Amarjargal Erdene |
| Level | Master course |
| Course type | Major course |
| Course duration | 16 weeks |
| New/Revised | A newly developed |
| E-course link | <https://online.num.edu.mn/dashboard> |

### Summary

This 3 ECTS course The purpose of the course is to provide knowledge about the basic concepts of urban sociology and demography through lectures, to learn how to use the relevant information to study the basic problems of urban sociology and demography, and to acquire the ability and practice of processing, mapping, and comparing statistical data.

Student will provide Data processing, analysis, mapping, use of images, comparison, self-reliance, protection of knowledge, learning from each other, and teamwork skills will be evaluated.

### Target student audiences

* Master or PhD students majoring in environmental science, Geography, Ecology, Biology
* Open for lifelong learners who are interested in urban demography and sociology

### Prerequisites

Required courses (or equivalents): 1. Environmental Studies ENVI200

2. Environmental monitoring ENVI301

### Aims and objectives

The main course objective is to provide knowledge about the basic concepts of urban sociology and demography through lectures, to learn how to use the relevant information to study the basic problems of urban sociology and demography, and to acquire the ability and practice of processing, mapping, and comparing statistical data.

**The authentic tasks**

This subject is divided into two sections, urban sociology and demography. The following contents are included in the first section: introduction to GIS, the real world and representations of it, geographic information and spatial data types, organizing one’s spatial data, the temporal dimension, data processing systems, stages of spatial data handling, database management systems, metadata, determining and mapping position, data quality, spatial referencing, measures of location error on maps, satellite-based positioning. In the second section, GIS application, topo map, spatial visualization, spatial data characteristics, metadata, and map development are included.

### General learning outcomes:

By the end of the course, successful students will:

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| --- | --- |
| Knowledge | * about the basic concepts of urban sociology and demography * the basic problems of urban sociology and demography |
| Comprehensive | * Factors affecting the urbanization of the countries of the world, * to learn skills to analyze, assess, and evaluate the interdisciplinary linkages of key urban demographic issues and to approach issues scientifically. |
| Application | * self-learning * team working * learning in practice * practical application |
| Analysis | * Development of data processing, analysis, mapping, of the demographic data, comparison, self-reliance, protection of knowledge, learning from each other, teamwork skills about urbanization process and basic demographic indicators |
| Synthesis | * data gathering and combining * visual map developing * working on the atlas and thematic maps |

### 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. …

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| --- | --- |
| Learning  methods | * Video presentations * Interviews, surveys, fieldtrip, group work, written articles/essay * Project Based Learning * Literature review * Stakeholder analysis/client consultancy * Data analyses * Mapping and map reading |
| Course  outline | 1. A study of urban sociology 2. Population settlement 3. The origin and development of the city 4. Urbanization and its forms 5. Classification trends of urbanization 6. Positive and negative effects of urbanization 7. Internal structure of the city, spatial organization and population distribution 8. Urban traffic and road transport 9. Urban demography and population growth 10. Age and gender structure of the urban population 11. Urban population density 12. Urban demographic migration 13. Employment of urban population 14. Urban Population and Environment 15. Health of urban population   Week 16:Social problems of the urban population |

### Course workload

The table below summarizes course workload distribution:

|  |  |  |  |
| --- | --- | --- | --- |
| Activities | Learning outcomes | Assessment | Workload  (hours) |
| **In-class activities** | | | | |
| Lectures | Understanding theories, concepts, methodology  and tools | Class participation |  |
| Moderated in-class discussions | Sociological problems of the urban population, demographic problems, urbanization, urban population growth, the process of urbanization expansion, the state of urbanization, negative aspects of urbanization | Class participation and preparedness for discussions |  |
| In-class assignments, case study assignment | urbanization, urban population growth, the process of urbanization expansion, the state of urbanization, negative aspects of urbanization | Class participation and preparedness for assignments |  |
| Reading and discussion of assigned papers for seminars and preparation for lectures | Familiarity with and ability to critically and creatively discuss key concepts, tools and methods as presented in the literature | Class participation, creative and active contribution to discussion |  |
| Group presentation | Ability to interpret data, to analyze audience, and to use the concepts, tools, and methods for communicating the EDP | Quality of group assignments and individual presentations |  |
| **Independent work** | | | | |
| Group work:   * Contribution to the group case-study projects * Contribution to the preparation and delivery of individual presentation * Contribution to the web-application | Ability to interpret data, to analyze audience, and to use the concepts, tools, and methods for communicating information to all participants  Plan and develop a human development plan, be aware of information visualization tools and methods | Quality of group assignments and individual presentations |  |
| Course group assignment | Ability to conceptualize and frame an urban sociological and demographical problem, find related literature and data, interpret data, use the concepts, tools, and methods covered in the course, and draw policy/management relevant conclusions | Quality of developed presentation |  |
| Group presentation | Ability to conceptualize and frame an urban sociological and demographical problem, find related literature and data, interpret data, use the concepts, tools, and methods covered in the course, and draw policy/management relevant conclusions | Quality of group assignments and individual presentations |  |
| **Total** |  |  |  |

### Grading

The students’ performance will be based on the following:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Assessment | Progress assessment (40%):   * 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%):   * 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  0-59 | A  A-  B  B-  C  C-  D  D-  F | 4.0  3.6  3.1  2.7  2.3  1.9  1.4  1.0  0.0 |

### Course schedule

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| --- | --- | --- | --- |
| Week | In-class  hours | Topic | Type |
| 1 | 2 | * A study of urban sociology | Lecture |
| 2 | * Terminology translation and reading | Seminar |
| 2 | 2 | * Population settlement | Lecture |
| 2 | * Mapping and map readings work | Seminar |
| 3 | 2 | * The origin and development of the city | Lecture |
| 2 | * Translation work, preparation of report | Seminar |
| 4 | 2 | * Urbanization and its forms | Lecture |
| 2 | * Translation work, preparation of report | Seminar |
| 5 | 2 | * Classification trends of urbanization | Lecture |
| 2 | * Mapping and work of the Atlas and map | Seminar |
| 6 | 2 | * Positive and negative effects of urbanization | Lecture |
| 2 | * Report writing | Seminar |
| 7 | 2 | * Internal structure of the city, spatial organization and population distribution | Lecture |
| 2 | * Report writing | Seminar |
| 8 | 2 | * Urban traffic and road transport | Lecture |
| 2 | * Data analyses and reporting | Seminar |
| 9 | 2 | * Urban demography and population growth | Lecture |
| 2 | * Data analyses and reporting | Seminar |
| 10 | 2 | * Age and gender structure of the urban population | Lecture |
| 2 | * Data analyses and reporting | Seminar |
| 11 | 2 | * Urban population density | Lecture |
| 2 | * Data analyses and reporting | Seminar |
| 12 | 2 | * Urban demographic migration | Lecture |
| 2 | * Mapping and reporting | Seminar |
| 13 | 2 | * Employment of urban population | Lecture |
| 2 | * Data analyses and reporting | Seminar |
| 14 | 2 | * Urban Population and Environment | Lecture |
| 2 | * Reporting and group study | Seminar |
| 15 | 2 | * Health of urban population | Lecture |
| 2 | * Reporting and group study | Seminar |
| 16 | 2 | * Social problems of the urban population | Lecture |
| 2 | * Reporting and group study | Seminar |
| Lecture 32  Seminar 32 | | | |

### Course assignments/tests

Course assignments will constitute Students' knowledge and skills will be evaluated in the following ways. It includes:

1. Attendance or attendance

2. Progress check

3. Quarterly examination

Conclusion Points Comment

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| --- | --- | --- |
|  | Score |  |
| Attendance | 20 | access to e-learning courses. |
| Progress Tests | 30 | standard assignments and tests covering the entire course content |
| 20 | Independent research within the course content |
| Quarterly exam | 30 | Take an exam that reinforces the understanding of the Urban Sociology and Demography course |
| in total | 100 |  |

### Literature

**Compulsory:**

**Basic Textbook**:

1. V. Batsened, R. Rinchinbazar, B. Chinbat (2021) "Human Geography", MUIS Press, Ulaanbaatar, page 534, ISBN: 978-9919-504-53-3, Mongolian.

2. U. Batchuluun UB. 2020 "Socioeconomic Geography" Ulaanbaatar, page 72, Mongolian language.

**Additional reading**:

3. Avhinsukh.J, Sodnomvaanchig.G, Amgalan.A "Socioeconomic Geography of Mongolia" UB, 2009

4. Population, Urbanization, and the Environment https://opentextbc.ca/introductiontosociology/chapter/chapter20-population-urbanization-and-the-environment/**Recommended:**

1. Koop, S. H. A. and C. J. van Leeuwen "Application of the Improved City Blueprint Framework in 45 Municipalities and Regions." Water Resources Management 29(13): 4629-4647.

**Other sources:**

<https://www.worldometers.info/>

<https://www.googleadservices.com/>