| Course Title | **Demographic Analysis and Population Projections** |
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| **Number of Lectures** | 14 |
| **Number of Seminars** | 20 |
| **Language of the Course** | English |
| **Name of the Lecturer, occupation, scientific degree** | Liudmila Fakeyeva, Associate Professor, PhD in Geography |
| **Lecturer's personal page** | http://www.bsu.by/en/main.aspx?guid=124801 |
| **Goals** | Goals of the discipline: <ul><li>the development of concepts and terminology, methodology and methods of demographic analysis and projections;</li><li>help students in developing research skills, experience, critical and analytical thinking.</li></ul> |
| **Prerequisites** | Geography, Demography |
| **Contents** | **Chapter I.** Introduction. The purpose and objectives of the course and its structure. <br> **Chapter II.** Theoretical and methodological foundations of demographic analysis and population projections. <br> **Chapter III.** Basic formal demography data for demographic analysis and population projections. <br> **Chapter IV.** Introduction into demographic models. <br> **Chapter V.** Models of age structure. <br> **Chapter VI.** Life tables models. <br> **Chapter VII.** Models of fertility. <br> **Chapter VIII.** Extrapolation method of population projections. <br> **Chapter IX.** Cohort – component method of demographic forecasting. <br> **Chapter X.** Probabilistic projections and new indicators of population ageing. |
| **Teaching methodology** | The system of "small groups", critical thinking and academic writing based learning, problem-based and research-based learning. |
| **Recommended literature** | 1. Clarke J.I. Geography and population**:** Approaches and applications. **-** Oxford: Pergamon Press, 1984. – 245 p. <br> 2. The end of world population growth in the 21$^{st}$ century: new challenges for human capital formation and sustainable development / edited Wolfgang Lutz, Warren |

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| | C. Sanderson, Sergei Scherbov. - Earthscan Publications Ltd, London, 2004.<br><br>3. Hinde A. Demographic Methods – Oxford, 1998.<br><br>4. Newell C. Methods and Models in Demography – London, 1988. |
| **Examination methodology** | Module-rating system for assessing student's knowledge (0-10) is applied in this course. The final mark includes two components: students work at lectures and seminars (active and regular participation 40 % of final mark (includes 30 % - small group project and 10 % - hours of attendance at lectures and seminars) and oral answer (also 60 % of mark). Small group project for selected country is mandatory as right of access to final test for every student. |
| **Recommended for** | Master level |