Subject code: DG-202.9-3	Subject name: Demographic statistics		
Ciklus: *I*	**Year:** *II*	**Semester:** *IV*	**ECTS credits:** *3*
Status: optional	**Contact hours:** *45* *Lectures: 30* *Exercises (Seminars): 15*		
Assigned professors and assistants:	/		
Prerequisites:	/		
Subject objectives:	*To acquaint students with the methods and models used in research on changes of demographic variables, components of natural and mechanical movement, population structure, etc. Students will be trained (using Microsoft Excel, GIS and other software) for solving practical problems.*		
Teaching units:	*1. Demographic statistics - concept and division* *2. Population data* *3. Basic demographic measures* *4. Changes in the number of inhabitants* *5. Total population movement - natural and mechanical* *6. Demographic growth and decline - geometric and exponential growth* *7. Fertility measures* *8. Test I* *9. Measures of mortality* *10. Nuptiality analysis* *11. Reproduction* *12. Age-sex structure* *13. Demographic models* *14. Migration indicators and methods of analysis* *15. Population forecasts and projections*		
Learning outcomes:	**Knowledge:** *To assess adequate sources of population data and calculate demographic measurements* **Skills:** *To recognize and determine the importance of the data for the concrete analysis for demographic needs* **Competencies:** *Connect and create independent indicators for different demographic measurements*		

UNIVERSITY OF SARAJEVO – FACULTY OF SCIENCE
SUBJECT DESCRIPTION

Teaching methods:	*Multimedia presentation and conversation (lecture); research work of students and joint analysis (exercises).*
Knowledge testing methods with grading structure [1]:	*Criterion Points Requirment* *1. Attendance 5 3* *2. Participation on lectures 5 3* *3. Midterm exam* *4. Seminar paper 20 11* *5. Student project* *6. Laboratory report* *7. Colloquium 30 16* *8. Final exam 40 22* * Total 100 55*
Literature[2]:	*MANDATORY:* *1. Wertheimer Baletić, A., (1999). Stanovništvo i razvoj, Mate, Zagreb.* *2. D. Breznik, Demografija – analiza, metodi i modeli, Naučna knjiga, Beograd, 1980.* *RECOMMENDED:* *1. Van de Kaa, D., (1987). Europe's Second Demographic Transition. Population Bulletin 42 .* *2. Dudley, K., (1996). Demographic Transition Theory. Population Studies 50 (3). 361-387.*

---

[1] The structure of points and point criteria for each subject is determined by the Council of the organizational unit before the beginning of the academic year in which the subject is taught in accordance with Article 64, paragraph 6 of the Law on Higher Education of Sarajevo Canton

[2] The Senate of the higher education institution as an institution or the council of the organizational unit of the higher education institution as a public institution determines mandatory and recommended textbooks and manuals, as well as other recommended literature on the basis of which exams are prepared by a special decision which must be published on its website before the beginning of the academic year in accordance with Article 56, paragraph 3 of the Law on Higher Education of the Sarajevo Canton