

**Study program:** Bachelor academic studies of ECOLOGICAL ECONOMICS (BASEE)

**Study type and level:** Bachelor academic studies, I level

**Subject:** Rural Ecology

**Subject code**

6E2RUE

**Professor :** dr Nada Kosanović assistant professor

**Subject status:** Elective

**ESPB:** 6

**Condition:**

**Subject goal**

Training students for understanding uniqueness of rural areas, consideration of the situation of rural areas in Serbia and their natural resources, the consequences of previous ways of managing these resources, and the effects of the economic activity on the environment, as well as the identification of options for diversification of rural economy in line with the available natural and human resources. Students acquire theoretical and practical knowledge for sustainable rural development. Through theoretical and practical work on themes and activities of the subject, with the help of a practical insight into the situation and problems of natural resources, students should be able to apply methods for environmentally sustainable rural development.

**Subject outcome**

Qualifying students for implementation of ability to prepare study basis for realization of economic development activities in rural areas, as well as participation in planning and making local strategic and action plans for sustainable rural development and environmental protection in rural places, as well as identification and participatory planning of solving problems that emerged from economical activities in terms of pollution reduction or change in the structure of economic activity in rural areas.

**Subject content**

*Theoretical classes*

Defining "rural", typology of rural areas. Rural areas and rural development policy of Serbia and the EU. Landscape diversity of rural areas in Serbia. Environment of rural areas as a resource site and warehouse waste from human activities, factors of change in the state of environmental quality (urban-rural economy). Agriculture and forestry as a main factor for shaping the landscape and changing of environmental quality in rural areas. The situation and development of farming and its impact on rural areas. Agro-environmental and forestry policy and its impact on the environment in rural areas. Industry, mining and energetics and environment in rural areas. The development of transport and environmental conditions in rural areas. Tourism and recreation and the environment in rural areas. Housing culture, tradition and perspectives in rural areas. Diversification of rural economy, introduction of good agricultural and forestry practices, organic farming and other forms of relief of land and water resources from harmful effects of agriculture. Legal regulations and government incentives in Serbia, EU and other countries (cross-compliance, nitrate directive etc.). Measures for improving the environment in rural areas, and examples of good practice.

*Practical classes:*

Basic analysis of natural conditions for planning economic development in rural areas within farms and rural communities (from the level of colony to the level of rural area). Consideration of multifunctional role of agriculture and forestry in rural areas, choice and preliminary planning of introduction and sustainable dimensioning of potential economic activities.

**Literature:**

1. Ђорђевић-Милошевић, С., Миловановић, Ј., Ђорђевић С. (2016): Рурална екологија и одрживи развој, скрипта (Факултет за примењену екологију „Футура“, Београд
2. Ђорђевић-Милошевић, С., Миловановић, Ј. (2013): Мала пољопривредна газдинства и рурални туризам у Србији. Факултет за примењену екологију Футра, Агрознање Вршац, ФАО Будимпешта, (електронска верзија на: <http://www.togm.org.rs/dokumenta/knjiga.pdf>)
3. Љешевић М. (2005): Животна средина села и ненасељених простора, Географски факултет Универзитета у Београду, Београд
4. Лазић Бранка и сар. (2008): Органска пољопривреда I, Институт за ратарство и повртарство, Нови Сад
5. Кесеровић З. и сар (2008): Органска пољопривреда II, Институт за ратарство и повртарство, Нови Сад
6. Марзин О., Ђорђевић Милошевић С., Иванов, С. (2007):

Смернице за развој одрживе пољопривредне подручја Старе планине : Република Србија , књига, Београд : Регионални центар за животну средину за Централну и Источну Европу, Канцеларија у Србији, Визаргис, Београд

*Additional literature:*

1. Djordjevic-Milosevic Suzana, Milovanovic Jelena (2014:) Linking Rural Livelihood Diversity and Sustainable Development : a case study of Serbia, Belgrade : Faculty of Applied Ecology Futura,
2. Čustović H., Kovačević Z., Tvica M. (2013): Rural Ecology, University Sarajevo, Bosnia and Herzegovina
3. Znaor D. (1996): Ekološka poljoprivreda, Zavod, Globus, Zagreb

El-Hage N.S., Hattam C. (2002): Organic agriculture, environment and food security, FAO,

<http://www.fao.org/docrep/005/y4137e/y4137e00.htm>

Number of active teaching classes				Other classes
Lectures: 2(30)	Practical work: 2(30)	Other class forms:	Individual research paper:	

**Teaching methods:** Lectures, presentations, one colloquium, written exam, discussions, work on field trial locations and with local rural communities, excursions to typical locations, analysis of status and monitoring of change in natural environment.

Pre-exam	points	Exam	points
Activity during lectures	10	Written exam	40
Practical work	30	Oral exam	
First test	20	.....	