

**Building Capacity  
of Serbian Agricultural  
Education  
to Link with Society**



**Izgradnja kapaciteta  
srpskog obrazovanja  
u oblasti poljoprivrede  
radi povezivanja sa društvom**

**Coordinator:  
University of Belgrade  
Faculty of Agriculture**

**Koordinator:  
Univerzitet u Beogradu  
Poljoprivredni fakultet**

## COURSE REGISTRATION FORM

<b>Teacher</b>	Renata Relić
<b>University</b>	University of Belgrade, Faculty of Agriculture
<b>Course</b>	Behavioral disorders and health in cattle
<b>Target</b>	Agricultural Extension Service
<b>Type</b>	online
<b>Duration</b>	1 day - 8 hours

<b>Description</b>	<p>The term "animal welfare" among professional and consumers around the world has been often mentioned. According to the concept of welfare, quality of animal products is (reasonably) associated with the quality of animals' life and environment. This gradually change consumer awareness in Serbia, so they rather choose products for which they know or assume they are obtained from animals kept in good conditions and in accordance with the principles of welfare protection. However, the high production is often placed in front of farm animals' needs and thus opposes the welfare concept. Consequently a number of associated conditions in farm animals appears, mutually called "technopathies", involving physicopathies (illness, injury), repropathies (disorders in reproduction) and ethopathies (disorders in animal behavior).</p> <p>Behavior of an animal may indicate that it is injured or sick, but it often changes before the appearance of obvious health and other problems. Farmers should be aware of the animals' life needs and should know to recognize and understand the changes in their behavior, which is in practice commonly associated with appropriate knowledge, experience and motivation. The role of advisors is significant in farmers' education about animal behavior, but it is usually focused on other types of issues that arise in practice.</p> <p>The purpose of this course is providing new information to advisors and linking their existing knowledge considering the most common ethopathies of cattle in different rearing systems, their cause and the effects, as well as their relation to other technopathies and common health problems of cattle. Furthermore, the advisers within the course can gain knowledge about the practically applicable methods of evaluation of certain forms of cattle behavior. The acquired knowledge can improve fieldwork of the advisors enabling them to arguably explain the concept of animal welfare to farmers, as well to point to failures in the cattle rearing and to help in solving their behavioral i.e. welfare problems.</p>
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<b>Contents</b>	<ol style="list-style-type: none"> <li>1. The concept of animal welfare and its assessment, definition of technopathies and conditions that they include;</li> <li>2. Life needs and natural behavior of cattle;</li> <li>3. Characteristics of rearing systems and their compliance with cattle needs;</li> </ol>
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4. Most common ethopathies in different categories of cattle - characteristics, causes, correlation to health and production, assessment, prevention of the occurrence.

**Objectives**

1. Updating the knowledge about welfare and behavior in cattle
2. Development of the ability to recognize the most common ethopathies in cattle, causes of their occurrence and correlation to the cattle health and production
3. Contribution to solving specific cattle welfare problems in practice

**Activities**

1. Participants attend the course topics in the order they are listed in the content of the course. Within the each topic there are lessons containing the material necessary for participants to gain new, as well to renewal and link existing knowledge. Lessons also contain questions for exercise and for better understanding the material.
2. After mastering all lessons the participants work test of practical application of knowledge, in which they should anticipate the occurrence of the ethopathy or to recognize it in a particular rearing system according to given photograph and/or description
3. Participant can use forum for discussion about test results and for questions.

**Materials**

Computer and internet connection; prepared lessons and test of practical application of knowledge on *Moodle* platform