

# **ECONOMICS OF WORLD AGRICULTURE**

**Department of administrative management and International activity**

Faculty of Agricultural Management

<b>Lecturer</b>	<b>Assoc.Prof., Dr. Oleksandr Faichuk</b>
<b>Teaching period</b>	<b>academic year 2017/2018 (autumn semester)</b>
<b>Type subject</b>	<b>Master</b>
<b>ECTS credit</b>	<b>5</b>
<b>Assessment</b>	<b>written and oral</b>
<b>Marking scale</b>	<b>4-point scale</b>
<b>Contact hours</b>	<b>60</b>

## **Objective and general description**

Economics of World Agriculture deals with the problem of world food insecurity and agricultural production. This problem is systematically analyzed concerning the demand for food and its demographic and economic determinants and the supply of food taking into account various world agricultural systems and production factors characteristics. The attention is also paid to the development of agricultural commodity markets and agrarian policies in OECD and developing countries. The objective of this course is to analyze current problems of world malnutrition and agrarian production with the use of economic theories and reasoning with the aim to deepen the economics knowledge of students and their global overview.

## **Lectures:**

1. The role of agriculture in the world economy
2. Land in the world agriculture
3. Labour force in the world agriculture
4. Machinery in the world agriculture
5. Agricultural policies of OECD countries
6. Economic estimate of production breakeven in foreign agriculture
7. The world crop market
8. The world livestock market
9. Food insecurity in the world
10. World organic farming
11. Climate change and food security
12. How to promote agricultural development? Experience in development projects in agriculture (a guest lecture)

## **Seminars:**

1. Estimating the economical type of national and foreign economies by contribution of agriculture into the development
2. Short-term and long-term farmer problems – reading and discussion
3. Evaluating the land using level in the world agriculture
4. Estimating the agrarian productivity and employment level in the foreign economies
5. Green Revolution - reading and discussion
6. Evaluating the level of government support of farmers in different countries
7. Estimating production breakeven in foreign agriculture
8. Reading on nutrition, estimating recommended nutrition doses
9. Influence of climate change on the world food supply – reading and discussion
10. Readings on demographics and projecting future demand for food in a chosen country
11. Reading on GMO and biotechnology. Discussion – what are the pros and cons of GMOs?
12. Estimating agricultural production functions and supply elasticities

## **Study literature:**

1. Economics of world agriculture: Textbook / O. Faichuk, I. Mishchenko. – K.: «COMPRINT», 2012. – 324 p.
2. Economics of world agriculture: Textbook / O. Faichuk, I. Mishchenko. – K.: «COMPRINT», 2016. – 457 p.
3. Agriculture for development. World development report 2008: Textbook. // The World Bank, Washington DC, 2008. – 365 p/
4. Food Outlook. Biannual report on global food markets //Food and Agriculture Organization of the United Nations - [www.fao.org/3/a-i6198e.pdf](http://www.fao.org/3/a-i6198e.pdf)
5. Agricultural Policy Monitoring and Evaluation in OECD countries and emerging economies//OECD Publishing - [http://www.oecd-ilibrary.org/agriculture-and-food/agricultural-policy-monitoring-and-evaluation-2013\\_agr\\_pol-2013-en](http://www.oecd-ilibrary.org/agriculture-and-food/agricultural-policy-monitoring-and-evaluation-2013_agr_pol-2013-en)
6. Wulf Killman. Climate Change and Food Security: A Framework Document / FAO, Rome, 2008.[Электронный ресурс]. – Режим доступа: <http://www.fao.org/forestry/15538-079b31d45081fe9c3dbc6ff34de4807e4.pdf>
7. Willer, H. and Klicher, L. (Eds.), (2009): The World of Organic Agriculture. Statistics and Emerging Trends 2009. IfOM, Bonn, FiBL, Frick, ITC, Geneva [Электронный ресурс]. – Режим доступа: <http://orgprints.org/15575/3/willer-kilcher-2009-1-26.pdf>