

GREEN GROWTH OF WORLD AGRICULTURE

Department of administrative management and International activity

Faculty of Agricultural Management

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

Objective and general description

Green growth of world agriculture deals with the problem to define an economic development path that is consistent with long-run environmental protection, using natural resources within their carrying capacity, while providing acceptable living standards and poverty reduction in all countries. The objective of this course is to identify the challenges and opportunities that arise in the pursuit of a green growth path for the food and agriculture sector; the role of policies and management practices; and the indicators that could be used to track progress towards green growth reasoning with the aim to deepen the economics knowledge of students and their global overview.

Lectures:

1. The need for greening food and agriculture
2. Conceptual considerations to greening agricultural growth
3. Future challenges and opportunities in sustainable agriculture
4. The role of policy in contributing to green growth in agriculture and food
5. Measuring progress towards green growth in food and agriculture
6. Constructing green growth strategies
7. How to deliver green growth in food and agriculture? Experience in development projects in agriculture (a guest lecture)

Seminars:

1. Food availability and natural resource use in a green economy context – reading and discussion
2. Stability of food security in a green economy environment - reading and discussion
3. Improving food systems for sustainable diets in a green economy - reading and discussion
4. Estimating the indicators for agricultural growth
5. Monitoring the environmental efficiency and natural resource productivity of agriculture
6. Monitoring the impact of agriculture on the natural asset base and environmental quality of life
7. Monitoring policy responses and economic opportunities in agriculture

Study literature:

1. Food and agriculture: OECD Green Growth Studies // OECD Publishing - <http://dx.doi.org/10.1787/9789264107250-en>
2. Greening the economy with agriculture // FAO (2012) - www.fao.org/docrep/015/i2745e/i2745e00.pdf
3. Green growth indicators for agriculture. A preliminary assessment // OECD Green Growth Studies, OECD Publishing. <http://dx.doi.org/10.1787/9789264223202-en>
4. From Growth to Green Growth. A Framework/ Stéphane Hallegatte, Geoffrey Heal, Marianne Fay, David Treguer // The World Bank Sustainable Development Network Office of the Chief Economist . – November, 2011 - <https://elibrary.worldbank.org/doi/abs/10.1017/9781462181394>

5. The greening of agriculture. Agricultural innovation and sustainable growth / Andy Hall and Kumuda Dorai // Brighton, United Kingdom, November 2010. – 60 p.