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# Curricula and syllabi development for BA and MA and PhD

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# WP1: Curricula development BA and MA level



- Aims at developing curricula for the BA course “Management in agriculture” (revised) and for the MA course “Management in agriculture” (developed)
- Curricula include new subjects and based on the Bologna structures of ECTS/workload and international degree recognition.
- The work is organized by a working group including all partners.
- WP leader is MLU together with the Uzbek counterpart SAI.

Regulation #3 from 10.01.2015 on “Changes and additions to State Educational Standards  
and  
Order of Ministry of Higher education #12 from  
15.01.2015

## **Main features of regulation:**

- Operative **adaptation** of essence of higher education to demand of labour market;
- **Optimization** of disciplines;
- **Improvement** of educational processes;
- Development of **unified** State Educational Standards for educational spheres (one SES for BA and MA levels);
- **Harmonization** of SES of higher education to international academic standards;
- Revelation of **requirements to competences** for BA and MA programs.

# Revised curricula of project target BA



<b>3.00</b>	<b>The general profile subjects</b>	<b>3240</b>
3.01	Agricultural production economics	210
3.02	Book keeping and taxation in agriculture	270
3.03	Management and planning of investment processes in agriculture	270
3.04	Agricultural products quality and marketing	150
3.05	Agrarian reforms and food security	180
3.06	Farm diversification and management	180

# Revised curricula of BA



3.07	Agriculture and melioration	270
3.08	Soil sciences and agrochemistry	180
3.09	Integrated crop protection	270
3.10	Selection and seed-growing of agricultural crops	180
3.11	Plant and cotton growing	150
3.12	Agricultural mechanization	210
3.13	Animal sciences	180
3.14	Sericulture	150
3.15	Storage, primary processing technology and standardization of agricultural products	150

# Revised curricula of BA



<b>4.00</b>	<b>Special subjects</b>	<b>720</b>
4.01	Organization of production and administration of farms	180
4.02	Farm management	150
4.03	Infrastructure and contracting in agriculture	150
4.04	Fruit and vegetable growing	150



# Structure of curricula



<b>Disciplines</b>	<b>Credits</b>
General humanitarian subjects (including Economics)	<b>57</b>
Basic subjects (Higher mathematics, Informatics, Physics. Chemistry)	<b>26</b>
Subjects about life (Biotechnology and microbiology, Botany and biology, Ecology, Life safety, Soil)	<b>26</b>
Subjects on economics and management	<b>58</b>
Crops	<b>34</b>
Animal sciences	<b>11</b>
Mechanization and technology	<b>12</b>
Elective and additional subjects	<b>26</b>
Internship and thesis	<b>37</b>
<b>Total</b>	<b>287</b>

- After changes on government regulation from 10.01.2015, local project team proposed to develop 2 Master programs for continuous education of Farm management:
  - Management in agriculture
  - Management-consulting

# Curriculum of MA: Management in agriculture (DRAFT)



<b>Disciplines of profile</b>	<b>Hours</b>
Research methods in management of agriculture	212
Sustainable management of agricultural resources	184
Innovation management	120
Product markets and strategic management	120
International management	120
Elective subjects	228

# Curriculum of MA: Management-consulting (DRAFT)



<b>Disciplines of profile</b>	<b>Hours</b>
Research methods in management-consulting	212
Management consulting	184
Management, planning and financing of consulting centres in agro- industrial sector	120
Information systems in management	120
Consulting on investment activities in agro-industrial sector	120
Elective subjects	228

# Development of syllabi and teaching materials



- The Uzbek partners have created cross-university working teams for subjects (modules) or subject clusters for the BA and the MA curriculum.
- Each group is led by one local coordinator.
- The working groups develop the syllabi and teaching materials.

# “White cluster”



- BA level: "Agricultural economics", "Infrastructure and contracting in agriculture", "Agrarian policy and food markets"
- MA level: Sustainable management of agricultural resources
- Farhod Ahrorov (SAI)
- EU expert: Mattas (AUTH), Schmitz (JLU), Grings (MLU)

# “Blue cluster”



- "Book keeping and taxation in agriculture",  
"Management and planning of investment processes  
in agriculture"
- MA level: Research methods in management of  
agriculture
- Bahodir Nosirov (AAI)
- EU experts: Schlauderer (HSWT)

# “Green cluster”



- Agricultural products quality and marketing“, “Farm diversification and management”
- MA level: International management
- Sanjar Adilov (TSAU)
- EU experts: Matthews (Writtle)



# “Yellow cluster”



- “Farm management“, “Organization of production and administration of farms”
- MA level: ?
- Iskandar Yunisov (TIIM)
- EU experts: Matthews (Writtle), Cooke (Writtle)

# Tangible outcomes on BA and MA



- Curriculum, SES of BA and MA programs are updated, piloted, adjusted and approved
  - Updated program of 5420100-Management in agriculture is included to State Classifier.
  - Updated curriculum and State Educational Standards (SES) of BA program got approval from Ministry of Higher education.
- Content of economical and managerial subjects are harmonization with international academic standards.
- About 2000 undergraduate students of TSAU, SAI and AAI begin to study by updated program.
- MA program is established at SAI and AAI

# Tangible outcomes on BA and MA



- Set of teaching materials for following subjects of BA program are developed and published for use at teaching process:
  - Agricultural production economics
  - Agrarian policy and food policy
  - Book keeping and taxation in agriculture"Management of investment processes in agriculture"
  - Agricultural products quality and marketing
  - Farm diversification and management
  - Organization of production and administration of farms
  - Farm management
  - Infrastructure and contracting in agriculture

# Tangible outcomes on BA and MA



- Set of teaching materials for following subjects of MA program are developed and published for use at teaching process:
  - Product markets and strategic management
  - Innovation management
  - International management
  - Sustainable management of agricultural resources

# Spin off outcomes



- Curriculum of new BA program-Education on management in agriculture developed and approved
- SAI launched pilot year study with 15 undergraduate students
- SAI launched teaching of updated subjects in English for selected group of students

# Challenges on BA and MA



- Harmonization with international academic standards put on agenda of educational policy
- Content of second MA program not finalized
- Development of Moodle platform not finished.