

Identification and analysis on LL potentials in sustainable agriculture



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STROSSMAYER IN OSIJEK, CROATIA
FACULTY OF AGRICULTURE
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Faculty of Agriculture in Osijek (CRO) starts with LL programs in 1997 ...



- 1. Training of staff in agricultural pharmacies (1997) - Training for sustainable pesticides consumption for plant protection (2014)**
- 2. Training program for producers of honey and other bee products on family farms (2011).** The training lasts for 30 hours, theory&practice. 1. seminar for beginners; 2. experienced beekeepers; 3. on integrated pest control.
- 3. Training program for producers of milk and cheese on family farms (2011) -** The training lasts for 60 hours over 3 weeks; theory&practice/final exam. The training program is carried out in cooperation with Croatian Chamber of Agriculture and Croatian Agricultural Agency.
- 4. Expert for Rural Development.** The training program lasts for 150 hours/one semestar. The content is divided into 10 training units/one seminar - within 110 hours of interactive workshops and 40 hours of practical work /final exam. After completing the first program it is possible to have another program
- 5. Project manager in rural development.** The training program lasts also 150 hours. Big differences between those programs is that those two programs are approved by Ministry of science and that they have 60 ECTS.

Does your department have the potential (number of employees, motivation, workload) to create and implement specific education, training and specialization programs (LLP)?



1. Department for Agroecology (+)
2. Department for Agroeconomy (+)
3. Department for Plant Production (+)
4. **Department for Chemistry (-)**
5. **Department for Chemistry, Biology and Physics of Soil (-)**
6. **Department for Mechanization in Agriculture (-)**
7. Department for Hunting, Fishery and Beekeeping (+)
8. Department for Agricultural Technics (+)
9. Department for Special Zootechnique (+)
10. Department for Animal Husbandry (+)
11. Department for Plant Proteciton (+)
12. Chair for Informatics and Foreign Languages (+)

Department for Agroecology



Is able to create and carry out programs

Soil fertility and soil fertility management (Postgraduate specialist studies, Workshop)

Fertilization (Postgraduate specialist studies, Workshop)

Target groups for the programs

- Interested in acquiring a profession at an older age
- Interested in acquiring new knowledge within a profession
- Interested in acquiring another profession
- Interested in the recognition of previously acquired knowledge and experience
- Interested in personal improvement

Preferred time of year for holding the program is not important.

- collaboration with other department(s) because of workload
- not familiar with evaluation procedure/don't have experience
- required period for creating those programs is 6 months
- expect help from the administrative services of the Faculty during the valuation procedure and organization

Department for Agroecology



Is able to create and carry out program

Farm management (Workshop)

Target groups for the program

- Interested in acquiring a profession at an older age
- Interested in acquiring new knowledge within a profession
- Interested in acquiring another profession
- Interested in the recognition of previously acquired knowledge and experience
- Interested in personal improvement

Preferred time of year for holding is winter.

- collaboration with other department(s)/workload and business expert/specificity of the program.
- partly familiar with evaluation procedure
- required period for creating those program is 3 months
- they expect help from the administrative services of the Faculty during the organization and promotion

Department for Plant Production



Is able to create and carry out programs

Crop production (Lecture Workshop)

Fruit growing and wine production (Intensive course, Workshop)

Horticulture (Intensive course, Workshop)

Target groups for the programs

- Interested in acquiring new knowledge within a profession
- Interested in personal improvement

Preferred time of year for holding the programs is winter or spring, depend on program.

- collaboration with other department(s)
- partly familiar with evaluation procedure
- required period for creating those program is 1 year
- expect help from the administrative services of the Faculty during the valuation procedure

Department for Hunting, Fishery and Beekeeping



Game breeding and protection (Postgraduate specialist studies, Workshop)

- Interested in acquiring new knowledge within a profession
- Interested in the recognition of previously acquired knowledge and experience
- Interested in personal improvement

Beekeeping (Postgraduate specialist studies, lecture)

- Interested in acquiring a profession at an older age
- Interested in acquiring new knowledge within a profession
- Interested in acquiring another profession
- Interested in the recognition of previously acquired knowledge and experience

Preferred time of year for holding the programs is not important.

- collaboration with other department(s) and business expert/specificity of the program
- partly familiar with evaluation procedure
- required period for creating those programs is 2-3 months
- expect help from the administrative services of the Faculty during the valuation procedure, promotion and organization

Department for Agricultural Technics



Is able to create and carry out program

Maintenance of Tractors and Agricultural Machinery (Postgraduate specialist studies, Lecture)

Target groups for the programs

- Interested in acquiring new knowledge within a profession
- Interested in personal improvement
- Younger age groups (kindergarten, elementary and secondary school)
- Everyone else regardless of age

Preferred time of year for holding the program is winter.

- collaboration with other department(s) /program specificity
- not familiar with evaluation procedure
- required period for creating those program is 6 months.
- don't expect help from the administrative services of the Faculty.

Department for Special Zootechnique



Application of DNA technologies in Animal Husbandry (Intensive course)

Production of dry/fermented meat products in households (Intensive course)

Genetic traceability of animal products (Workshop)

Promotion and protection of name of animal products in EU (Lecture)

Scientific methods in branding of animal products (Lecture)

Target groups for the programs

- Interested in acquiring new knowledge within a profession
- Interested in personal improvement

Preferred time of year for holding the programs is not important.

- accomplished individually with no other department(s)
- partly familiar with evaluation procedure
- required period for creating those programs is 2-6 months
- don't expect help from the administrative services of the Faculty

Department for Animal Husbandry

Technology of pig production, processing and market (Intensive course)

- Interested in acquiring new knowledge within a profession, personal improvement

Practical guide for management of milk cow (Workshop)

- Interested in acquiring new knowledge within a profession, recognition of previously acquired knowledge and experience, personal improvement

Problems in pig production (Workshop)

- Interested in acquiring new knowledge within a profession, acquiring another profession, personal improvement

Clean soil for healthy product (Lecture)

- Interested in acquiring new knowledge within a profession, in acquiring another profession, recognition of previously acquired knowledge and experience

Preferred time of year for holding the program is not very important (or winter in first two programs).

- collaboration with other department(s) because of traditional (long term) connection and in applying new knowledge

- **familiar with evaluation procedure**

- required period for creating those programs is 3-8 months

- they expect help from the administrative services of the Faculty during the valuation procedure and promotion.

Department for Plant Protection



Is able to create and carry out program

Protection of cultivated plant (Lecture)

Target groups for the programs

- Interested in acquiring new knowledge within a profession
- Interested in personal improvement

Preferred time of year for holding the program is not important.

- collaboration with business expert because specificity of the program
- not familiar with evaluation procedure
- required period for creating that program is 6 months
- expect help from the administrative services of the Faculty in managing finance and organization

Chair for Informatics and Foreign Languages



Is able to create and carry out program

English in Agriculture (Intensive course, Lecture, Workshop)

Target groups for the programs

- Interested in acquiring new knowledge within a profession
- Interested in personal improvement

Preferred time of year for holding the program is winter.

- doesn't require collaboration with other department(s)
- not familiar with evaluation procedure
- required period for creating those program is 3 months
- expect help from the administrative services of the Faculty in promotion and organization.

Department for Chemistry, Biology and Physics of Soil (-)



- Does not have the potential to create and implement specific education, training and specialization programs
1. number of employees 9/5 – science teachers
 2. workload (practical and laboratory work)
 3. motivation (+)

Department for Chemistry (-)

Department for Mechanization in Agriculture (-)

SUMMARY of LL POTENCIALS 1/2



- 3 departments don't have potencial/9 do
- 2 departments/individually - 7 departments requires collaboration with other department(s)/ business experts - specificity of the program/ workload (2)
- Departments are not familiar with the evaluation process (4), partly familiar (4) and only one completely (1) - Faculty, University and Ministry of science (the highest level)

SUMMARY of LL POTENCIALS 2/2



- 2 departments don't expect help from the administrative services of the Faculty but 7 departments do - during valuation procedure (4), promotion (5), organization (4), managing finances (1)
- Preferred time of year for holding the program is not important for most departments (7) but some of them preferred winter (or spring, summer depending on program)
- Required period for creating those programs is between 2-12 months.



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