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| Name of course: **Weed control** | **Credit value: 3** |
| **Course** **classification**: compulsory | |
| **The proportion of the practical nature of the course, „educational character”: 50/50** | |
| **Type of course: 1** theoretical / **1** practical, and the **total number: 28 hours** in the given **semester.**  Further (unique) means and properties of knowledge transfer:   * **Definition of weed, harms of weeds.** * **Life types of weeds.** * **Identification of weed species.** * **Students will learn the temporal appearance of weeds and effective and (in many cases) preventive protection against them.** * **Will be able to use different chemical- weed control methods**. | |
| **Exam** type (colloquium / practical grade / **other** ):  **colloqium**  Further (unique) means of knowledge verification**:**   * **weed identifications** * **will be able to use herbicide in the crop production** | |
| The curricular **place of the course** (which semester): **II. semester** | |
| Prerequisites (if any): **Plant physiology** | |

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| **Course description: a brief, but informative description of the knowledge to be acquired (14 weeks).** |
| 1. Definition of weed, harms of weeds.  2. Life types of weeds.   * 1. Identification of weed species.   6. Method of weed control  7. Weed control of cereals (wheat, barley etc.)  8. Weed control of maize  9. Weed control of sunflower   1. Weed control of rapeseed   11. Weed control of potato  12. Weed control of tobacco  13. Weed control of root vegetables (onion, carrot, beet etc.)  14. Weed control of fruit trees, soft berry fruits, grape. |
| **Required and recommended reading:** |
| **Required reading:**   * Alden S. Crafts (1975): Modern Weed Control. University of California Press. ISBN 0-520-02733-7 * Cobb, A., Reade, J. (2010): Herbicides and Plant Physiology. Wiley Ltd. USA ISBN-13: 978-1-4051-2935-0 * Steven R. R., Jodie S. H. (1984): Weed Ecology Implications for Vegetation Management. A Wiley-Interscience Publication. USA ISBN 0-471-87674-7   **Recommended reading:**   * Haflinger, E., Scholz, H (1981): Grass weeds. Ciba-Geigy Ltd. Switzerland |
| **Competencies to be acquired, related to the course:** |
| **a) Knowledge:**  - Student will learn the scientific, technical, technological, basic concepts of food chain safety, management.  **b) Ability:**  - Students will know the interaction between the environment and agricultural production and will be able to make decision with a complex approach in work.  **c) Attitude:**  - Their work is characterized by high standard.  - They will be able to stand up for their views, but are open to others’ opinions as well.  **d) Autonomy and responsibility:**  - They will be able to recognize the risks and boundaries of their decisions.  - They will have an independent sense of professional responsibility. |

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| **Course leader** (name, post, academic degree): **Arnold Szilágyi, assistant lecture** |