|  |  |
| --- | --- |
| Name of course: **Basics of Integrated Plant protection** | **Credit value: 3** |
| **Course** **classification**: elective | |
| **The proportion of the practical nature of the course, „educational character”:** | |
| **Type of course:** theoretical / practical, and the **total number: hours** in the given **semester. 1 th + 1 practical/week**  Further (unique) means and properties of knowledge transfer: | |
| **Exam** type (colloquium / practical grade / **other** ):  **colloquium**  Further (unique) means of knowledge verification**:** | |
| The curricular **place of the course** (which semester): II. | |
| Prerequisites (if any): **-** | |

|  |
| --- |
| **Course description: a brief, but informative description of the knowledge to be acquired (14 weeks).** |
| *Integrated plant protection*  Targets: To learn the most important principles of integrated plant- and fruit protection. To present the most important pests, pathogens snd weeds of the important plant cultures as well as to study the basic technologies (mechanical, agrotechnical, chemical, biological) against them.  1. Basic of integrated plant protection and plant protectional methods.  2. Plant protectional forecasting and epidemiology.  3. Basic of plant protectional forecasting.  4. Forecasting of weed species.  5. Forecasting of bacterial diseases.  6. Forecasting of plant pathogenic fungi.  7. Forecasting of insects.  8. Pestice management and quality control  9. Integrated plant protection in arable plant cultures.  10. Principles of ecological plant protection systems.  11. Integrated plant protection of vegetables.  12. Integrated plant protection of fruits and grape.  13. Integrated plant protection in greenhouses  14. Integrated plant protection and ecotoxicology |
| **Required and recommended reading:** |
| **Required reading: - Radosevich S. R.- Holt J. S.. (1994):** Weed Ecology and Vegetation Management. Wiley-Interscience publication, New York.  **-Glenn C. Klingman and Floyd M. Ashton (2004):** Weed Science (3rd edition). Wiley-Interscience Publication. New York.  **- Diseases of Fruits and Vegetables - Diagnosis and Management** Edited by S Naqvi Springer  2004  **Recommended reading:**  - **General Concepts in Integrated Pest and Disease Management** Edited by A Ciancio and K G Mukerji  Springer  2007 |
| **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. |

|  |
| --- |
| **Course leader** (name, post, academic degree): **Dr. habil Laszló Radócz associate professor, CSc** |
| **Other lecturer(s) involved in teaching the course, if any** (name, post, academic degree): **-** |