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| Name of course: **Diseases of cropland plants** | **Credit value: 3** |
| **Course** **classification**: obligatory |
| **The proportion of the practical nature of the course, „educational character”: 50-50 (credit %)** |
| **Type of course:** theoretical / practical, and the **total number:** 14 hours theoretical + 14 hours practical lesson in the given **semester.**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): 2. |
| Prerequisites (if any): **-**  |

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| **Course description: a brief, but informative description of the knowledge to be acquired (14 weeks).** |
| 1. Diseases of the wheat/I.
2. Diseases of the wheat/II.
3. Barley, rye and oat diseases
4. Diseases of the maize/I.
5. Diseases of the maize/II.
6. Diseases of the sunflower
7. Diseases of the sugarbeet
8. Diseases of the potato
9. Diseases of the soybeans
10. Diseases of the peas
11. Diseases of the beans
12. Diseases of the cucurbits
13. Diseases of the rapeseed
14. Diseases of the alfalfa and clovers
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| **Required and recommended reading:** |
| **Required reading:** **George Agrios: Plant Pathology 5th Edition. ISBN: 9780120445653 Academic Press 2005., 952 pp.****Recommended reading: Compendium of Diseases, Disorders and Pests series of the APS Press. American Phytopathological Society** |
| **Competencies to be acquired, related to the course:** |
| **a) Knowledge:** - The student knows the scientific basics of crop cultivation and phytopathological phenomenons.- The student nknows the basic of the production of healthy, toxin and pesticide residue free plant based products with high biological value.- The student knows the basics of prediction, prevention, the means of treatment, and the safety measures of their usage.**b) Ability:**- The student is able to approach phytopathological and aricultural problems in a versatile aspects, based on multidisciplinary foundations.- The student is able to determine, plan, and organize, control and suprvise agricultural and phytopathological technologies.**c) Attitude:** - The student is commited to solve technical problems in a professional way, supported by scientific knowledge.- The student shows deep and well-estabilished professional interest.**d) Autonomy and responsibility:**- The student has autonomy in carrying out agricultural and some pest control activities.- The student is able to think in an autonome, safe and environmentally friendly way, and apply and develop modern agricultural devices and technologies. |

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| **Course leader** (name, post, academic degree): **Dr. Gábor Tarcali, senior research fellow, PhD** |
| **Other lecturer(s) involved in teaching the course, if any** (name, post, academic degree): **András Csótó, tech. assistant** |