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| **Title and Code** of the subject: **Outlines of plant pathology I.****Code: MTMNO7017A** | **ECTS Credit Points: 3** |
| **Type** of the subject: **compulsory** / optional  |
| **Ratio of theory and practice: 50/50** (credit%) |
| **Type and number of classes per semester**: 14 hour(s) lecture and 14 hour(s) practice per **semester** Number of teaching hours / week : 1+1 (lecture and practice) |
| **Type of exam**: **oarl exam** / practical course mark |
| **Subject in the curriculum:** semester 3. |
| Preliminary requirements:- |

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| **Summary of content:**Description and means of identification of the diseases (abiotic diseases, viruses, bacteria, phythoplasms, fungi) main cultivated field crops and vegetables in Hungary and the European Union. Integrated management technologies against the diseases of the field crops and vegetables.**Theory**:  |
| Course objectives:1. Wheat diseases
2. Wheat diseases
3. Diseases of other cereals (barlyey, rye, oat)
4. Diseases of corn maize
5. Sunflower diseases
6. Sugarbeet diseases
7. Soybean diseases
8. Diseases of peas and beans
9. Diseases of peas and beans
10. Diseases of Cucurbitaceae crops (pumpkin, squash, gourds, cucumber and melons)
11. Diseases of Cruciferaceae crops (oilseed rape and cabbages)
12. Diseases of peppers
13. Tomato diseases
14. Potato diseases
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| **Practice:** |
| 1. Pest management of wheat diseases
2. Pest management of wheat diseases
3. Pest management of diseases of other cereals (barlyey, rye, oat)
4. Pest management of diseases of corn maize
5. Pest management of sunflower diseases
6. Pest management of sugarbeet diseases
7. Pest management of soybean diseases
8. Pest management of diseases of peas and beans
9. Pest management of diseases of peas and beans
10. Pest management of diseases of Cucurbitaceae crops (pumpkin, squash, gourds, cucumber and melons)
11. Pest management of diseases of Cruciferaceae crops (oilseed rape and cabbages)
12. Pest management of diseases of peppers
13. Pest management of tomato diseases
14. Pest management of potato diseases
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| **Literature:** |
| Agrios, G.N. (2005): Plant Pathology, Fifth Edition. Academic Press. Sambamurti A.P.S.S. (2006): A Textbook of Plant Pathology. IK International.  |

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| **Responsible lecturer: Dr. Erzsébet Karaffa** |

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| **Form of examination:** Oral examination |
| **Requirement(s) to get signature:** |
| Attendance to the courses. |