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| Title | RECYCLING OF TECHNICAL WASTE IN AGRICULTURE | | | | | | |
| Code | ZDIT54 | | | | | | |
| Study Program | Postgraduate Interdisciplinary University Programme Environment protection and Nature Conservation | | | | | | |
| Semester | III. | | | | | | |
| ECTS | 5 | | | | | | |
| Status | <input type="checkbox"/> obligatory x elective | | | | | | |
| Lecturer | PhD Ivan Plaščak, Assistant Professor | | | | | | |
| Co-Lecturers | | | | | | | |
| Requirements for Enrolment | - | | | | | | |
| Objectives | Students will get acquainted with the types of technical waste in agriculture, with detrimental influence of certain types of technical waste on the environment, a way to manage the technical waste management, recycling and disposal of technical waste and other types of care, and regulations and legislation on environmental protection. | | | | | | |
| Learning Outcomes | After successfully completing the course, students will be able to: 1 st Describe waste concept and sources of its formation in agriculture. 2 nd Identify and rank agricultural waste. 3 rd Describe strategic guidelines and objectives of management of technical waste in agriculture. 4 th Compare various and chose the best technology at the waste disposal. 5 th Know ways of waste recycling. 6 th Comment, considered critical, given subject of the problems related to waste. | | | | | | |
| Connection between Learning Outcomes, Curricular and Student Activities | | | | | | Credits* | |
| | | | | | | min | max |
| | Attending lectures | 0.5 | 1-6 | Lecture | Record | 0 | 0 |
| | Continuous monitoring of lectures (the activity in the classroom, preparing for lessons, reflective review of the courses) | 1 | 1-6 | Discussion, assessment | Record, evaluation | 7.5 | 15 |
| | Seminar paper | 1.5 | 6 | Knowledge test | Exposure, evaluation | 12.5 | 25 |
| | Preparation and final oral exam | 2 | 1-6 | Final exam | The oral part of the exam | 30 | 60 |
| | Total | 5 | | | | 50 | 100 |
| Final score: From 50.1 to 62.5 points: Grade 2 From 62.6 to 75 points: Grade 3 From 75.1 to 87.5 points: Grade 4 From 87.6 to 100 points: Grade 5 Final exam: achieved the minimum number of points is sufficient score, a maximal number of points an excellent grade. | | | | | | | |
| Consultations | Once a week 2h (defined at the beginning of the academic year) | | | | | | |
| Learning Activities | Lectures | | Seminars | | Practice | | |

| Hours | 10 | 5 | 0 |
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| Contents / Teaching Units | 1 st The main legal acts and regulations in the field of waste. 2 nd Environmental degradation activity of agricultural production. 3 rd The method of disposal and treatment of waste in agriculture. 4 th The problem of waste and the method of disposal of waste oil, filter and packaging. 5 th Recycling discarded and disposed of agricultural machinery. 6 th The separate collection and recycling of individual waste components. 7 th Prevention of environmental damage - the application of GIS technologies. | | |
| Obligatory Literature | 1. Jurišić, M., Plaščak, I. (2009): Geoinformacijski sustavi GIS u poljoprivredi i zaštiti okoliša, Poljoprivredni fakultet, Osijek, 2. Jurišić, M. (2013): Geoinformacijski sustavi GIS u poljoprivredi i zaštiti okoliša, PRIRUČNIK, Poljoprivredni fakultet Osijek. 3. Glavan, V. (2001): Uvod u globalnu ekologiju, Zagreb, 4. Emert, R., Šumanovac, L., Jurić, T., Brkić, D. (1998): Problematika odlaganja otpadnih ulja u poljoprivredi Slavonije i Baranje, Zbornik radova «Aktualni zadaci mehanizacije poljoprivrede», str. 125/129, Opatija, 5. Hefer, G., Jurić, T. (1996): Recikliranje poljoprivredne mehanizacije, Zbornik radova «Aktualni zadaci mehanizacije poljoprivrede», str. 83/88., Opatija. | | |
| Recommended literature | 1. Hefer, G., Vujčić, M., Menđušić, I. (1998): Recikličnost poljoprivrednih strojeva, Zbornik radova «Aktualni zadaci mehanizacije poljoprivrede», str. 131/135, Opatija, 2. Štefanek, E., Ivančanin, S., Gospodarić, Z. (1997): Mehanizacija poljoprivrede i ekologija, Zbornik radova «Aktualni zadaci mehanizacije poljoprivrede», str. 1/9, Opatija, 3. Vučinić, V. (2003): Značaj servisno/preventivnog održavanja strojeva u ekološkoj poljoprivredi, Diplomski rad, Poljoprivredni fakultet, Osijek, 4. Glavač, V. (1999): Uvod u globalnu ekologiju, Državna uprava za zaštitu prirode i okoliša, Zagreb. 5. Lončarić/Horvat, O., Cvitanović, L., Gliha, I., Josipović, T., Medvedović, D., Omajec, J., Srešić, M. (1998): Osnove prava okoliša, Zagreb, | | |
| Requirements for Aquiring Signature | If a student misses more than 30% of classes the teacher can deny signature. | | |
| Type of Exam | In forming the final grade for the students are taken into consideration the continuous monitoring of teaching (the activity in the classroom, preparing for lessons and reflective review of the courses), seminar paper and final oral exam. The evaluation of the seminar paper entering the clarity, accuracy and relevance of information written seminars, and overall (technical and visual) quality of presentations and discussions. Class attendance is mandatory. | | |
| Lectures Language | Croatian | | |
| Quality Monitoring | Poll after graduating classes; Questioning during class and possibility of giving oral or written comments after lecture; Tracking the performance of examination. | | |