## KÖZLEKEDÉSÉPÍTÉS I. (ROADBUILDING)

## 2022/23. 1. SEMESTER

| ALAPADATOK                          |  |   |                             |  |  |  |  |  |
|-------------------------------------|--|---|-----------------------------|--|--|--|--|--|
| COURSE NAME                         | KÖZLEKEDÉ  | SÉPÍTÉS I. (ÚTÉPÍTÉS)   | ROADBUILDING                |  |  |  |  |  |
| CODE OF COURSE                      | YCXKÖÉ1BN  | YCXKÖÉ1BNF  |                             |  |  |  |  |  |
| DEPARTMENT                          | Óbuda  | Óbuda University, School of Civil Engineering, Department of Infrastructure building  |                             |  |  |  |  |  |
| MAJOR                               |  | Civil Eng. BSc Full time  |                             |  |  |  |  |  |
| COURSE LEADER                       | Dr. Klara<br>Macsinka<br>PhD,<br>associate<br>prof.  | e-mail address:<br>macsinka.klara@uni-<br>obuda.hu  | office hours by arrangement |  |  |  |  |  |
| LECTURER                            | Dr. Klara<br>Macsinka<br>PhD,<br>associate<br>prof.  | e-mail address:<br>macsinka.klara@uni-<br>obuda.hu  | office hours by arrangement |  |  |  |  |  |
| PRECONDITIONS                       |  | Geodézia II., SGYMALT208XXX<br>Geotechnika II. (Földművek), SGYMKOM2054XA   |                             |  |  |  |  |  |
| NUMBER OF<br>LECTURES /WEEK         | 1 x 45'  | 1 x 45'   |                             |  |  |  |  |  |
| SEMINARS/WEEK                       | 2 x 45'  | 2 x 45'   |                             |  |  |  |  |  |
| LABORATORY<br>SEMINARS/WEEK         | 0  |   |                             |  |  |  |  |  |
| ASSESSMENT                          | Exam   | Exam  |                             |  |  |  |  |  |
| ECTS CREDITS                        | 3 credits  |   |                             |  |  |  |  |  |
| DESCRIPTION                         | The subject is to introduce the students to the basic notions, elements and the operational principles of road infrastructure. During the seminar students will hear about main types, elements, design principles and priorities of transportation infrastructure. They will learn main terms of transportation dynamics, technology and junctions and carriageways. During seminars students must prepare a studyplan for a rural road, completed with siteplan, longitudinal and cross-sections and technical descriptions. |   |                             |  |  |  |  |  |
| SUGGESTED<br>LITRERATURE            | Notes and p  | Horváth - Koren - Prileszky-Tóth-Szabó: Közlekedéstervezés (HEFOP-jegyzet)<br>Notes and presentation from e-learning site of the subject. |                             |  |  |  |  |  |
| NECESSARY<br>TECHNICAL<br>EQUIPMENT | Scientific calculator may be used during tests. Use of mobile phones, smart watches and other technical equipment is forbidden! In case of Online studies: Contact: through Neptun-system and e-mail. Notes and presentation: uploaded to the E-learning-site. Lectures and seminars: Google Meet.   |   |                             |  |  |  |  |  |

| SEMESTER OUTLINE   |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|
| SEMINARS   |  |  |  |  |  |  |  |  |
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| COMPLITION CRITERIA                                   |   |             |  |  |  |  |
|---|---|-------------|--|--|--|--|
| TASKS DURING SEMESTER                                 |   |             |  |  |  |  |
| CRITERIA  | DESCRIPTION   |             |  |  |  |  |
| RULES OF<br>ATTENDANCE AT<br>LECTURES AND<br>SEMINARS | Participation at the seminars is compulsory. Three absence can be accepted.   | -           |  |  |  |  |
| ACCEPTENCE OF ABSENCE                                 | Absence can be acknowledged by a doctor's notice.   | -           |  |  |  |  |
| Short description of the assignment                   | During semester students have to prepare a study plan of a rural road based on the seminars. Necessary rules for all formal criteria and the working map will be given to students in the beginning of the seminar. Compulsory scales: M=1:10000 for the site plan, M= 1:10000 and M=1:500(200) for the longitudinal section. Longitudinal section is to be printed on an A4 high paper roll. At least 5 consultations are needed during the semester. Acceptance of the study plan is based on number of consultations, and meeting the requirements od the given content and formal issues. Missing and non accepted drawings must be replaced. | 50 points   |  |  |  |  |
| Tests   | During semester, two successful tests must be completed by the students.  Timing of tests will be clearly given in the beginning of the semester. The tests will contain several calculations that students have to use while preparing the study plan. Tests can repeated once, at the end of the semester.  | 2x25 points |  |  |  |  |
| TOTAL VALUE   |   | 100 points  |  |  |  |  |

| COMPLITION CRITERIA                   |  |               |                 |              |               |  |  |  |
|---------------------------------------|--|---------------|-----------------|--------------|---------------|--|--|--|
| PRECONDITIONS FOR OBTAINING SIGNITURE | At least 30 points must be achived for the study plan and at least 15-15 points in the tests.                                      |               |                 |              |               |  |  |  |
|                                       | Attandence of seminars as above.   |               |                 |              |               |  |  |  |
|                                       | In case any of the above requirements is not fulfilled, the semester will be refused.  |               |                 |              |               |  |  |  |
|                                       |  |               |                 |              |               |  |  |  |
| PREONDITIONS FOR                      | No recommended mark may be given.  |               |                 |              |               |  |  |  |
| RECOMMENDED MARK                      |  |               |                 |              |               |  |  |  |
|                                       |  |               |                 |              |               |  |  |  |
| PRECONDITIONS FOR THE EXAM            |  |               |                 |              |               |  |  |  |
|                                       | Only students obtaining signature (even in a previous seminar) are allowed to take the exam.                                       |               |                 |              |               |  |  |  |
|                                       | Students will be taking exams during exam-period, on days determined in the Neptun system.   |               |                 |              |               |  |  |  |
|                                       | Length of the exam is 60 minutes, containing several questions, with a total value of 100 points. The exam can be oral or written. |               |                 |              |               |  |  |  |
| EVALUATION                            | Evaluation is based on result achived on the exam.   |               |                 |              |               |  |  |  |
|                                       | 0-59 points  | 60-69 points  | 70-79 points    | 80-89 points | 90-100 points |  |  |  |
|                                       | 1- FAILED  | 2- SUFFICIENT | 3- SATISFACTORY | 4- GOOD      | 5- EXCELLENT  |  |  |  |