**Construction Management I.**

**Code: MFKIV31S03-EN**

**ECTS Credit Points: 3**

**Evaluation: mid-semester grade**

Year, Semester: 3rd year/1st semester

Number of teaching hours/week:

Lecture: **1**

Practice: **2**

**Prerequisites:** Management for Engineers: MFMFE31X03-EN

**Topics**:

Students learn about the participants of investments in construction, they are bound to their duties. Parts of a construction contract, together with the documents and the role of historical documents. Budget in construction, location, a role, and a part of the methods of calculation. The concept of overhead hourly wage, the price of construction materials and the method of calculation of the cost. After making a plan of complete budget should be sized calculations and shaped plans. Standard time allowance for labeling and defining technological order.

**Schedule**

|  |  |
| --- | --- |
| **1st week:**  **Lecture:** Registration week  **Practice:** The issue of drawing task 1.  Floor plan.  **2nd week:**  **Lecture:** Technology, building materials and technology, the foundation, walls and columns / pillars.  **Practice** The issue of drawing tasks  Floor plan + section + nodes  **3rd week:**  **Lecture:** Technology: floors, roofs and map overlays, traffic building  **Practice:** Building visit  **4th week:**  **Lecture:** Technology, building systems, partitions, doors, windows, flooring.  **Practice:** Consultation of the drawing task  **5th week:**  **Lecture:** Technology, engineering, electrical, mechanical lifts, heating and cooling, finishing work.  **Practice:** Visiting a building.  **6th week:**  **Lecture: ISO**  Utility Structures: scaffolding, supports. **Practice:** Consultation of the drawing task  **7th week:**  **Lecture:** An auxiliary structure: pattern sheets, formwork, trench supports  **Practice:** Size and quantity statement in a tabular form. | **8th week:**  **Mid-term test**  **Lecture:** This week is the preparation of semi-annual week of planning tasks: semi-annual consultations related tasks previously announced date of test writing.  **Practice:** This week is the preparation of semi-annual week of planning tasks: semi-annual consultations related tasks previously announced date of test writing and building visiting  **9th week:**  **Lecture:** Construction: demolition, excavation design, provide support, drainage, foundation  **Practice:** Size and quantity statement in tabular form.  **10th week:**  **Lecture** Construction: masonry, plastering, concreting, wood structures, steel structures, transportation, lifting  **Practice:** Size and quantity statement in a tabular form.  **11th week:**  **Lecture:** The budget includes: item systems, overhead hourly rate, job costs, calculating the cost of materials.  **Practice:**. Preparation of budget, computerized by TERC Common laboratory work and building visit  **12th week:**  **Lecture:** Preparation of budget, concepts, models.  **Practice:** Preparation of budget computerized by TERC Common laboratory |
| **13th week:**  **Lecture:** Priced aims  **Practice:** Preparation of budget computerized by TERC Common laboratory  **14th week:**  **Lecture** The building account  **Practice:** Building visit | **15th week:** Production and repair of semi-annual design tasks since semi-annual consultations related tasks previously announced time, classroom and writing plus test this week. |

**Requirements**

**A, for a signature:**

Attendance at **lectures** is recommended, but not compulsory.

Participation at **practice classes** is compulsory. Students must attend the practice and may not miss more than three times during the semester. In case a student does so, the subject will not be signed and the student must repeat the course. Students can’t make up any practice with another group. Attendance at practice classes will be recorded by the practice leader..

Students have to **submit all drawing** (a floor plan + section + nodes+cross section+Size and quantity statement in a tabular form) **tasks** as scheduled minimum on a sufficient level. And a complete budget with technologies.

During the semester there are two tests: the mid-term test in the 8th week and the end-term test in the 15th week.

**B, for a grade:**

The course ends in **mid-semester grade (AW5)**. Based on the average of the marks of the drawings and the average of the test results, the mid-semester grade is calculated as an average of them:

* the average grade of the drawing tasks
* the average grade of the two tests

Special conditions for signing and examination:

Mid-semester (continuous) accountability

Creating the task: 1  80

80 points

80 points

50.0%

For mid-year signature the performance of the task and the acquisition must be more than 50% , and a conditional-release test is necessary. You need to reach 41 points.