



Меѓународен Универзитет Визион - International Vision University Universiteti  
Ndërkombëtar Vizion - Uluslararası Vizyon Üniversitesi

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## SYLLABUS

| COURSE NAME                    | COURSE CODE | SEMESTER | COURSE LOAD | ECTS |
|--------------------------------|-------------|----------|-------------|------|
| DESIGN OF INDUSTRIAL BUILDINGS | ARC-3007    | 6        | 180         | 6    |

|                        |      |
|------------------------|------|
| <b>Prerequisite(s)</b> | None |
|------------------------|------|

|   |  |
|---|--|
| <b>Course Language</b>                            | Macedonian, Turkish, English           |
| <b>Course Type</b>                                | Required                               |
| <b>Course Level</b>                               | First Cycle                            |
| <b>Course Lecturer</b>                            |  |
| <b>Course Assistants</b>                          |  |
| <b>Classroom</b>                                  |  |
| <b>Extra Curricular Office Hours and Location</b> | <b>Meeting:</b><br><b>Consultancy:</b> |

|                                 |   |
|---------------------------------|---|
| <b>Course Objectives</b>        | The purpose of the course is to get acquainted with the problems related to the design of space intended for industrial production.   |
| <b>Course Learning Outcomes</b> | <ul style="list-style-type: none"> <li>The issue of design of industrial complexes and facilities is covered.</li> <li>The following are developed as separate units: a brief overview of the industrial development in the design and construction of industrial facilities by pointing out significant authors of new ideas;</li> <li>Criteria - external and internal for selection of location of industrial facilities and complexes; general criteria for division of industry; industrial zones, industrial complexes and internal zoning of complexes;</li> </ul> |
| <b>Course Contents</b>          | The design of these buildings covers the problems of spatial composition as a result of the production processes and the integration of various mechanical devices (equipment), general architectural and structural composition.   |

## WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

| <b>Week</b> | <b>Subjects</b>   | <b>Related Preparation</b>         |
|-------------|---|------------------------------------|
| 1           | Definitions related to industrial structures course and aim of the course and history | Related Chapters of Course Sources |
| 2           | The choice of the industrial location   | Related Chapters of Course Sources |
| 3           | Environmental conditions in industrial buildings                                      | Related Chapters of Course Sources |
| 4           | Environmental conditions in industrial buildings and related calculations             | Related Chapters of Course Sources |
| 5           | General criteria for industry division  | Related Chapters of Course Sources |
| 6           | Industrial zones, industrial complexes and internal zoning of complexes               | Related Chapters of Course Sources |
| 7           | Mid-term Exam   | Related Chapters of Course Sources |
| 8           | Spatial systems for construction of industrial complexes                              | Related Chapters of Course Sources |
| 9           | Installations, technological processes and principles of production organization      | Related Chapters of Course Sources |
| 10          | Analytical and synthetic systems of industrial production                             | Related Chapters of Course Sources |
| 11          | Continuous and discontinuous production flow  | Related Chapters of Course Sources |
| 12          | Organization of traffic in industrial complexes and production halls                  | Related Chapters of Course Sources |
| 13          | External and internal transport   | Related Chapters of Course Sources |
| 14          | Equipment and construction of production halls  | Related Chapters of Course Sources |
| 15          | Final Exam  | Related Chapters of Course Sources |

### ECTS / WORKLOAD TABLE

|   |    |          |    |
|---|----|----------|----|
| Presentation / Seminar                                  |    |          |    |
| Hours for off-the-classroom study (Pre-study, practice) | 14 | 3        | 42 |
| Midterm Exam  | 1  | 12       | 12 |
| Final examination                                       | 1  | 14       | 14 |
| <b>Total Work Load</b>                                  |    |          |    |
| <b>ECTS</b>   |    | <b>6</b> |    |

### GENERAL PRINCIPLE RELATED WITH COURSE

Dear students,

In order to be included, learn and achieve full success that you deserve in the courses you need to come well prepared by reading the basic and secondary textbooks. We are expecting from you carefully to obey to the course hours, not to interrupt the lessons unless is very indispensable, to be an active participant on the courses, easily to communicate with the other professor and classmates, and to be interactive by participating to the class discussions. In case of unethical behavior both in courses or on exams, will be acting in framework of the relevant regulations. The attendance of the students will be checked in the beginning, in the middle or at the end of the lessons. Throughout the semester the students who attend to all lectures will be given 15 activity-attendance points in addition to their exam grades.

### SOURCES

| COMPULSORY LITERATURE |                                   |   |
|-----------------------|-----------------------------------|---|
| No                    | Name of the book                  | Author's Name, Publishing House, Publication Year |
| 1                     | Industrijski kompleksi i zgradi   | Vojislav Damjanović, GK, 2008                     |
| 2                     | Endüstri Tasarımı Temel Kavramlar | Nagihan Bayazıt, İdeal Kültür Yayıncılık, 2012    |
| 3                     |                                   |   |

| ADDITIONAL LITERATURE |                     |   |
|-----------------------|---------------------|---|
| No                    | Name of the book    | Author's Name, Publishing House, Publication Year |
| 1                     | Endüstriyel Tasarım | Prof. Dr. Yahşi Yazıcıoğlu, deal, 2016            |
| 2                     | Industriebau Bosch  | H.R.Franzke (Hrsg.), Birkhauser, 2001             |
| 3                     |                     |   |

## EVALUATION SYSTEM

| <b>Underlying the Assessment Studies</b> | <b>NUMBER</b> | <b>PERCENTAGE OF GRADE</b> |
|--|---------------|----------------------------|
| Attendance/Participation                 | 15            | %10                        |
| Project / Event                          | 1             | %20                        |
| Mid-Term Exam                            | 1             | %35                        |
| Final Exam                               | 1             | %35                        |
| <b>TOTAL</b>                             | <b>17</b>     | <b>%100</b>                |

## ETHICAL CODE OF THE UNIVERSITY

In case of the students are cheating or attempt to cheat on exams, and in the case of not to reference the sources used in seminar studies, assignments, projects and presentations, in accordance to the legislations of the Ministry of Education and Science of Republic of Macedonia and International Vision University, will be applied the relevant disciplinary rules. International Vision University students are expected never to attempt to this kind of behavior.