

Faculty of Architecture

Department: Architecture and Urbanism

Professional area: Architecture, Civil Engineering and Geodesy

Major: Architecture

Educational-and-qualification Degree: Master

COURSE DESCRIPTION

1. **Course unit title:** Industrial and Transport Buildings and Complexes – part 2 Theory
2. **Course unit code:** ADM 2014
3. **Type of course unit:** compulsory
4. **Level of course unit:** Master
5. **Year of study:** third
6. **Semester when the course unit is delivered:** fifth
7. **Number of ECTS credits allocated:** 3
8. **Name of lecturer:** Prof. Arch. Liuben Sivrev, PhD
9. **Learning outcomes of the course unit:** Manufacturing territories (industrial and transport) will be designed on modular principle. These projects will consolidate students' skills and knowledge and will be a really good basis for the training and design in the profiling semesters.
10. **Mode of delivery:** face-to-face
11. **Prerequisites and co-requisites:** In order to do the course in Module 2 – Manufacturing territories and infrastructures it is necessary the students to have successfully completed their basic training in the 4th semester, in order to successfully model the space of the territory.
12. **Course contents:** Nature of the production territories and infrastructures. Typological characteristics. Major requirements when designing. Organizational planning. Law on Territory Planning. Organizational schemes and plans in the settlement structures. Organization of industrial and transport territories. Choice of region, settlement, territories for industrial and transport complexes. Economic, settlement and structural and natural factors.
Objects and networks of the transport infrastructure in the manufacturing and settlement formations: transport on the platform of the industrial enterprises; water, automobile, railway and air transport. Engineering networks in the production territories.
13. **Recommended or required reading:**
 - **Сиврев Л. Я.** – Комплексно обществено обслужване на промишлените предприятия и територии. Базисни, площи и териториални показатели. КНИПИТУГА, София, 1985г.
 - **Сиврев Л.Я.** - Българската промишлена архитектура, видяна през 1980/81г. Учебник за студенти от пети и 2/3 курс и др. ВСУ „Черноризец Храбър”, Варна, 2011г.
 - **Сиврев Л. Я.** - . Индустиални и транспортни сгради и комплекси-Модул1 (Производствени и транспортни структури и обслужващи звена). Учебник . Варна, ВСУ „Черноризец Храбър”, 2012г.

- **Сиврев Л. Я.** - Индустириални и транспортни сгради и комплекси-Модул2 (Производствени територии и инфраструктури). Учебник . Варна, ВСУ „Черноризец Храбър”, 2012г.
 - **Делибашев А.** - Промислени сгради. София, 1969г.
 - **Писарски М. и Аврамова А.** - Промислени сгради. София,
 - **Костов Д. К.** – Типология на промишлените сгради. София, 1982г.
 - **Костов Д. К.** – Архитектура на инженерните съоръжения. София, 1979 година.
 - **Василев В. Д.** - Земеделски сгради. София, 2001г.
 - **Николаев И.С. и др.** –Архитектурная типология промышленных предприятий. Москва , 1975г.
 - **Орловский Я.Б. и др.** – Архитектура гражданских и промышленных зданий. Промышленные здания. Москва, 1991г.
 - **Ким Н.Н.** - Промышленная архитектура. Москва, 1988г.
 - **Ким Н.Н. и др.** - Архитектура промышленных предприятий, зданий и сооружений. (Справочник проектировщика). Москва, 1990г.
 - **Walter Henn.** -Industriebau : I-Planung, Entwurf, Gestaltung; II-Enwürfs und Konstruktionsatlas; III-Internationale Beispiele.
 - **Mosch-Kossatz.** - Betriebseirichtung-Band 2, Berlin, 1970.
 - **Ackermann K.** - Idustriebau. Stuttgart, 1994.
 - **Neufert P.** - Bauentwurfslehre. Braungschweig/Wiesbaden, 1992.
 - **Jodidio P.** - Architecture Now! (Vol.1 , Vol.2). London, 2008.
 - Булев Т. -Ландшафт на архитектура – том 1 и 2. ”Булархарт”, София,2010г.
 - Костов К. - Из опыта на един български архитект.”Булгет”, София,2007г.
 - Никифорова Р. - Дизайн в архитектурна среда. ВСУ ”Черноризец Храбър”, Варна, 2011г.
 - Никифоров И. -Градоустройство
 - *Замоло Д.* - *Градители Београда. Београд, 2009г.*
14. **Planned learning activities and teaching methods:** lectures, project assignment, intermediate discussion with intermediate assessment, contact hours.
15. **Assessment methods and criteria:** written and oral exam, discussion, defense and project grade after a synopsis for Module 2.
16. **Language of instruction:** Bulgarian
17. **Work placement(s):** none