

Title <b>Construction planning and prganization</b>	Code <b>1010101161010110529</b>
Field <b>Civil Engineering First-cycle Studies</b>	Year / Semester <b>3 / 6</b>
Specialty <b>Construction Engineering and Management</b>	Course <b>elective</b>
Hours Lectures: <b>2</b> Classes: -    Laboratory: -    Projects / seminars: <b>2</b>	Number of credits <b>6</b>
	Language <b>polish</b>

**Lecturer:**

dr inż. Tomasz Wiatr  
Instytut Konstrukcji Budowlanych  
tel. 665-2454, 6652457, fax. 8766116  
e-mail: tomasz.wiatr@ikb.poznan.pl

**Faculty:**

Faculty of Civil and Environmental Engineering  
ul. Piotrowo 5  
60-965 Poznań  
tel. (061) 665-2413, fax. (061) 665-2444  
e-mail: office\_dceef@put.poznan.pl

**Status of the course in the study program:**

Compulsory

**Assumptions and objectives of the course:**

Skills of construction planning and designing of site-layout plans.

**Contents of the course (course description):**

Organizational structures and methods with variants. Selection of crews and machines, harmonization and time-cost tradeoff analyses. Network methods with resources analysis and construction schedules. Auxiliary production, temporary objects and installations. Graphical and mathematical methods of localization and layout planning. Construction logistics and site layout plans. Construction documentation.

**Introductory courses and the required pre-knowledge:**

Organization of Construction Production. Technology of Construction Works. Construction Economics.

**Courses form and teaching methods:**

- lectures: presentation, direct lecture,
- laboratory: semestral task.

**Form and terms of complete the course - requirements and assessment methods:**

- lectures: written exam,
- laboratory: confirmation of project plan.

**Basic Bibliography:**

**Additional Bibliography:**