



Course title: **ARCHITECTURAL AND CONSTRUCTION DOCUMENTATION IN CAD ENVIRONMENT**

ECTS credit allocation (and other scores): 2

Semester: spring

Level of study: ISCED-6 - first-cycle programmes (EQF-6)

Branch of science: Engineering and technology

Language: English

Number of hours per semester: 30

Course coordinator/ Department and e-mail: dr inż. Joanna A. Pawłowicz, Institute of Building Engineering,
jopaw@uwm.edu.pl

Type of classes: classes

Substantive content

CLASSES: Getting acquainted with the rules of making an architectural and building drawing. During the classes students will get acquainted with the basic functions of the AutoCad program and the possibility of using it to prepare architectural and construction drawings: floor plans, cross-sections, architectural details and other building elements as well as land development plans. They know how to utilize data obtained from the laser scanning.

LECTURES: No

LEARNING PURPOSE: Acquiring the ability to use programs from the CAD group and mastering the principles of mapping space elements.

On completion of the study programme the graduate will gain:

Knowledge: Students know how the construction documentation is created and can prepare it according to legal standards

Skills: Students acquire basic ability to operate CAD design programs

Social Competencies: Students are aware of the responsibility for correct execution of the technical documentation

Basic literature:

- 1) PN- EN ISO13567-1:2002, Dokumentacja techniczna wyrobu. Organizacja i nadawanie nazw warstwom w systemie CAD. Część 1: Zasady ogólne, wyd. Polska Norma, 2002 ;
- 2) PN-EN ISO 128-21, Rysunek techniczny. Zasady ogólne przedstawiania. Część 21: Linie w systemie CAD, wyd. Polska Norma, 2006 ;
- 3) Jaskulski, A., AutoCAD 2016/LT2016/360+: kurs projektowania parametrycznego i nieparametrycznego 2D i 3D., wyd. Wydawnictwo Naukowe PWN, 2016

Supplementary literature:

- 1) Pikoń, A., AutoCAD 2011 PL. Pierwsze kroki., wyd. Helion, 2012 ;
 - 2) Gołuch A., Projektowanie architektoniczno – budowlane., wyd. Kanon, 1998 ;
 - 3) Neufert E., Podręcznik projektowania architektoniczno – budowlane, wyd. Arkady, 1995
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The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 30

Student's independent work: 18