



SGH

Year	2017/2018	
Course title	Praktyka zawodowa (kierunek Advanced Analytics - Big Data, II stopień)	
Course number	250061	3 ECTS points

A. Course objective

A. The main goal of internship is the development of the student's ability to utilize the theoretical knowledge of data analysis and Big Data in practice. In particular, the student should familiarize himself with the functioning of a given organization, company or institution where their internship is taking place; be able to identify the data sources available in this institution, determine and evaluate their usefulness and viability in the context of the institution's needs and business goals, improve his skills in data base analysis, modeling and diagnosing in order to solve sample analytical tasks (projects), as well as develop personality traits related to work, such as responsibility, work ethics and teamwork skills.

B. Course syllabus

Developing the ability to utilize in practice the theoretical knowledge of data analysis and Big Data obtained in the course of studies. In particular, identifying and reaching the institution's data bases, evaluating their potential use for modeling and analysis of the institution's business tasks and improving their teamwork skills. The internship program should allow the student to verify the usability of their theoretical knowledge (soft and hard skills) in practice. ..

C. Educational outcome

Knowledge	<p>Student should:</p> <ol style="list-style-type: none"> 1. Know the operations of an entity/institution and its related sector, as well as the immediate surrounding and their operating conditions <p>Student should:</p> <ol style="list-style-type: none"> 2. Have the knowledge of identifying and obtaining data sources (structural and non-structural), depending on various business goals. <p>Student should:</p> <ol style="list-style-type: none"> 3. Know the rules of constructing and monitoring an analytical process and the quality of analytical models? implementation. <p>...</p>
Skills	<p>The student should</p> <ol style="list-style-type: none"> 1. Be able to identify the data sources in the context of particular business goals <p>The student should</p> <ol style="list-style-type: none"> 2. Be able to obtain data from various sources (including large data sets), integrate them, and implement a process of data analysis using data visualization tools in a selected analytical environment <p>The student should</p> <ol style="list-style-type: none"> 3. Be able to independently build and implement an analytical model supporting the resolution of a business issue in a selected environment
Social competencies	<p>The student should:</p> <ol style="list-style-type: none"> 1. Be aware of the importance of team work and the responsibility for his work, as well as the work of other team members, in achieving success 2. Be able to successfully present (communicate) the results of their analyses to specialists and governing bodies <p>The student should:</p> <ol style="list-style-type: none"> 3. Have the ability to update the knowledge obtained during their studies with elements necessary to solve business problems of a given company/institution

D. Semester time table

1	1. The goal and scope of internship, and the time of its realization
2	Student?s/intern?s access privileges to the institution?s data bases and documents
3	A list of organizational tasks for student/intern-
4	A list of factual-analytical tasks for student/intern-
5	The rules of student/intern cooperation (individual or team work)
6	The rules and methods of accounting for the student/intern work

E. Basic literature

...

F. Supplementary literature

...

H. Numbers of required prerequisites

not required

I. Course size and mode

	Full-time	Saturday-Sunday	Afternoon
Total:	90	90	90
Praktyka	90	90	90

J. Final mark composition

others 100%

K. Foreign language requirements

English

L. Selection criteria

(See: individual offer)

M. Methods applied

(See: individual offer)