**Syllabus of an educational component of a degree programme**

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| Name of unit conducting a component | ***Doctoral School of Social Sciences***  |
| Name of an educational component | **Scientific infobrokering and Open Source Intelligence** Naukowy infobrokering i OSINT  |
| Language of education | English |
| Goals of education | The goals of the course are: * to present infobrokering and OSINT as important parts of the contemporary information industry, scholarly research, as well as areas of applications of social communication and media sciences,
* to prepare students to cope with the today’s dynamic and often uncertain information ecosystem by broadening and deepening their knowledge and skills of information seeking, evaluation, analysis and use.
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| Learning outcomes of an educational component | KNOWLEDGE* Student knows and characterizes features and principles of infobrokering and OSINT (Open Source Intelligence); discusses their functions in academia, scholarly research and the knowledge-based economy.
* Student knows and correctly uses professional terminology related to infobrokering and OSINT.
* Student knows and characterizes Polish and foreign, general and special search services and information resources, their content, specifics, typology as well as the possibilities and contexts of their use; understands and discusses the Deep Web issues.

SKILLS* Student chooses the right methods and techniques to solve specific information problems and explains the conditions and rules for their use.
* The student effectively identifies useful, reliable sources of data/information/knowledge, is fluent in looking for specialized, high-quality content, and is able to evaluate and select them.
* Student efficiently uses Polish and foreign sources of specialized information, especially scholarly/scientific, business, statistical and personal.
* Student efficiently uses contemporary information and communication technologies to find and manage information.
* Student critically analyzes the information obtained and develops derivative materials, for example – reviews or summaries.

ATTITUDES* Student accepts the need to constantly update knowledge and skills in response to the changing features and conditions of the modern information environment.
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| Verification methods and assessment criteria of learning outcomes obtained by students | Students are graded on the basis of active participation in classes as well as the realization of individual homework, projects and tasks. Additional assessment criteria are quality and punctuality of completing the course assignments. The achievement of the learning outcomes will be checked by formative methods:* ongoing feedback, monitoring and possible correction of the implementation of individual stages of homework, projects and tasks – during classes and within consultations outside classes,
* evaluative discussion after the completion of tasks,

and summative methods:* final assessment of individual projects – their quality (content and form), compliance with recommendations, punctuality of implementation.
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| Type of an educational component (obligatory/optional) | Optional  |
| Year of study | I, II |
| Semester  | Winter  |
| Name and surname of the coordinator of a component and/or person/s conducting a component  | Dr Sabina Cisek |
| Name and surname of person/s conducting an examination or granting credit in the case when this is another person than conducting a component  | ⎯  |
| Manner of completion  | Course online  |
| Preliminary and additional requirements  | ⎯  |
| Type and number of hours of courses requiring direct participation of academic staff and students, if in a given component such courses are included  | Workshop/warsztat – 30 h  |
| Number of ECTS credits assigned to a component  | **2**  |
| Balance of ECTS credits  | Participation in the classes, including individual assignments, exercises and tasks: 30 hoursReading professional literature: 10 hoursHomework, individual consultations outside the classroom: 10 hoursIndividual project: 10 hoursThe total student workload is 60 hours, which corresponds to 2 ECTS credits. |
| Applied teaching methods | Case studiesDiscussionE-learningExplanation Individual projects Mind mappingMultimedia presentationsSearching exercises |
| Form and conditions of passing a component, including conditions of allowing to take an examination, as well as form and conditions of passing each type of courses included in a given component | Credit with a grade [ZAL-OCENA, zaliczenie na ocenę] Grading: 2 to 5. * 0-50 points – 2 (failing)
* 51-60 points – 3
* 61-70 points – 3,5
* 71-80 points – 4
* 81-90 points – 4,5
* 91-100 points – 5

The conditions for passing the course are: * active participation in the course, completing all individual assignments, exercises, tasks and homework – 75 points,
* individual information seeking project – 25 points.

Details of the project will be given after two meetings.  |
| Content of an educational module (with division into forms of courses completion) | **1.** Infobrokering and Open Source Intelligence – definitions, general characteristics, legal context. Why are they useful to PhD students? **2.** Professional information seeking strategies. Big 6. **3.** Categories of content available online. Typology of information sources. Open access vs. commercial content providers. Surface Web, Deep Web and Darknet. **4.** Looking for reliable information – hands-on practice: **4.1.** General search engines. Google hacking, **4.2.** Specialized search engines and resources – **4.2.1**. finding and managing scholarly content (publications, raw data, other) – academic/scientific search engines and collections; reference management software – Mendeley, **4.2.2**. finding business information; verifying companies and other organizations, **4.2.3**. finding and ‘verifying’ people, **4.2.4**. finding public and statistical data. **5.** Internet analysis – tools and resources. **6.** Information evaluation and analysis. Visualization.  |
| List of basic as well as supplementary literature, knowledge of which is required in order to pass a given component  | SUPPLEMENTARY LITERATURE (in English and Polish):* Bazzell, Michael (2018). *Open Source Intelligence Techniques – 6th Edition. Resources for Searching and Analyzing Online Information.* USA: CreateSpace Independent Publishing Platform.
* Cisek, Sabina; Januszko-Szakiel, Aneta red. (2015). *Zawód infobroker. Polski rynek informacji*. Warszawa: Wolters Kluwer.
* Cisek, Sabina. *Infobrokering i OSINT. Informacja biznesowa, naukowa, publiczna i statystyczna* [blog]. <http://sabinacisek.blogspot.com/>
* Hrabiec-Hojda, Patrycja; Trzeciakowska, Justyna (2019). *Google Hacking. Jak szukać w Google, aby zarabiać pieniądze, budować biznes i ułatwić sobie pracę*. Kraków: Infomedia Group. <https://googlehacking.pl/>
* *Marcus P. Zillman* [website]. <https://www.zillman.us/> or <http://www.virtualprivatelibrary.com/>
* *Rynek informacji* [website]. <http://rynekinformacji.pl/>
* Shamaeva, Irina. *Boolean Strings* [blog]. <https://booleanstrings.com/>

Other materials will be posted on the JU e-learning platform Pegaz.  |