



Research practice

Research Practice Work Program (Syllabus)

Academic discipline requirements

Level of higher education	<i>Second (Master's)</i>
Discipline	<i>05 Social and Behavioral Sciences</i>
Specialty	<i>054 Sociology</i>
Educational program	<i>Social data analytics</i>
Discipline status	<i>Mandatory component of the professional training cycle</i>
Form of study	<i>full-time (day)</i>
Year of training, semester	<i>2nd year, 4th semester</i>
Scope of the discipline	<i>12 ECTS credits, 360 hours independent work – 360 hours</i>
Semester control/control measures	<i>Test</i>
Class schedule	<i>http://roz.kpi.ua/</i>
Language of instruction	<i>Ukrainian</i>
Information about the course leader/teachers	<i>Practice Manager: teacher Bakhanov Aleksey Yurievich, +380957712095 bakhanov@ukr.net</i>
Course placement	<i>http://www.sociology.kpi.ua/esp-social-data-analitics-4</i>

Academic discipline program

1. Description of the practice, its purpose, subject and results of the practice

Research practice of students of specialty 054 “Sociology” of the Faculty of Sociology and Law of Igor Sikorsky Kyiv Polytechnic Institute is a component of professional training of specialists and the educational process in a higher educational institution and requires particularly thorough practical training. Research practice is carried out separately from studies, lasts 8 weeks and involves independent work of student interns as assistants to a sociologist in a specific social institution.

It provides a close connection between the theoretical training of future specialists and their practical professional development in terms of the formation of skills and professional abilities. Research practice contributes to the connection with life; compliance with the content and requirements of the profession of a sociologist, etc.

Internship helps students better understand their own capabilities and contributes to the formation of a realistic approach to future professional activities.

According to the educational and scientific program “Social Data Analytics”, students will acquire the following competencies:

- the ability to design and conduct sociological research, develop and justify their methodology (FC3);
- ability to present the results of scientific research and prepare scientific reports and publications (FC10);

- Ability to apply modern statistical methods, models, digital technologies, specialized software for modeling social processes (FC12);
- Ability to use the SPSS statistical package and the R and Python programming languages to analyze social data (FC13).

According to the requirements of the educational and scientific program, after mastering the discipline, students must demonstrate the following program learning outcomes:

- PRN 09. Plan and carry out scientific research in the field of sociology, analyze the results, and justify the conclusions.
- PRN 12. Perform open source intelligence (OSINT) analysis, analyze qualitative information, text data, and use intelligence analysis for social data.

The purpose of research practice: students gain experience in independent research work on the topic chosen for the qualification work and develop methods for conducting it; develop competencies corresponding to the chosen specialization and educational and qualification level.

Practice tasks:

- consolidation and practical use of acquired theoretical knowledge;
- formation of professional identification of future specialists and professional self-awareness;
- accumulation of experience in performing professional duties, fostering a sense of personal responsibility;
- formation of skills and practical abilities of a sociologist;
- studying sociological research technologies;
- study of theoretical sources on a selected scientific topic related to the specialization of the department and the scientific problem of one's own research in domestic and foreign literature;
- familiarization with the results of theoretical and empirical research of academic and industry institutes;
- determining methods for processing and analyzing empirical data.

For a certain period of time, the student changes roles: from student-listener to scientist-researcher, which allows him to assess the complexity of the research work for himself.

The primary skills and abilities necessary to provide this work at the appropriate professional level are formed in future specialists during their internships in various institutions.

During their studies, students, commissioned by agencies involved in sociology, take direct part in planning, organizing, and processing the results of sociological research.

2. Prerequisites and postrequisites of practice (place in the structural and logical scheme of training according to the relevant educational program)

Research practice allows students to apply acquired theoretical knowledge in practice and develop practical skills.

Prerequisites: ZO02 Higher Education Pedagogy, PO03 International Project Grant Activities and Startup Management, PO05 OSINT Technologies in Sociological Research

Post-requisites: PO11 Master's thesis

3. Content and program of research practice

Students' research practice is an important stage in the training of specialists within the framework of their future specialty and the experience of independent work. It is regulated by the relevant documents of Igor Sikorsky Kyiv Polytechnic Institute and involves three stages:

1. Preparatory

At this stage, the sociology department lecturer negotiates with enterprises and concludes contracts.

During the semester preceding the internship, students familiarize themselves with the program; based on it, they develop individual work plans, taking into account the specifics of the institution. The internship supervisor checks and adjusts the plans in accordance with the functional responsibilities of the sociologist.

A week before the start of the internship, the department organizes a meeting where the goal and tasks that the intern must complete are determined, and students are assigned to the enterprises where they will undergo internship.

The internship program provides for the completion of individual tasks by students, which activates their activities, broadens their outlook, increases initiative, and makes the internship more specific and purposeful.

Individual tasks are included in the internship program in order to more effectively master professional skills and abilities. The materials obtained by students during the implementation of individual tasks can be further used for the completion of diploma theses.

Students receive individual assignments according to the conditions of the institution's activities and the topics of individual assignments for research practice.

A sociologist possesses the full range of methods and technologies for collecting and processing sociological information: demonstrates a highly developed sociological imagination and possesses modern theories, methodology and methods of sociological research (from developing a research program to providing specific recommendations with their subsequent practical implementation), as well as competencies in the field of multidimensional analysis of social data, processing and analysis of large arrays of quantitative and qualitative information using statistical software (OSA, SPSS / PSCP), use of the R and Python programming languages in statistical calculations, work with open data sources (OSINT), and data visualization.

2. Basic

The intern's working day is determined by the rules of the work schedule and the operating mode of the institution or organization - the base of the practice. The practice begins with familiarization with the organization, manager, and institution of the sociologist's practical activity.

During the internship, the student-intern summarizes the technological features of sociological research and its analysis.

Difficulties that arise in the intern during the research practice are eliminated through group and individual consultations with the practice supervisor from the department. The responsibilities of the practice supervisors include analyzing the intern's activities based on the analysis of difficulties and shortcomings in his practice.

The intern keeps a diary of research practice and also studies relevant materials.

Each student works according to an individual plan. The internship supervisor from the organization helps to draw up a plan for the internship and makes ongoing corrections during individual consultations. The plan for research internship is built so that it maximally implements the tasks and functions that a social worker performs in practical activities.

3. Final

At this stage, the student-intern summarizes the results obtained and prepares a report on the internship, which must contain the results of the work performed, the feedback of the internship supervisor, a report on the work performed, and the methods he used during its implementation.

4. Results and protection of research practice

Upon completion of the research internship, the group leader (student) from the base institution prepares a report on the work. The report is accompanied by proposals and materials prepared by the student(s)-intern(s) and accepted by the management for use in the internship.

The management of the basic practice institution organizes a discussion of the results of the student's work and evaluates it. The basic level of students' training is also assessed at the department, taking into account the requirements of the industry for professional qualifications.

The main documents about the practice (individual plan, diary, work reports, proposals and materials prepared by students and accepted for use in practical activities of the practice base) are transferred to the teacher who manages the research practice. The defense of the practice and acceptance of the credit are carried out by the teacher who is the head of the practice.

5. Educational materials and resources

1. <http://www.socio-journal.kpi.kiev.ua/> - Bulletin of Igor Sikorsky Kyiv Polytechnic Institute. Sociology. Political science. Law.
2. <http://i-soc.com.ua/journal/content.php> – Sociology: theory, methods, marketing.
3. <http://www.nbuv.gov.ua> – National Library of Ukraine named after V.I. Vernadsky.
4. <https://prometheus.org.ua/>. The best online courses in Ukraine and the world.
5. <https://nsuworks.nova.edu/pcs/about.html> - Peace and Conflict Studies Journal

Policy and control

6. Registration of practice results

After completing the research internship, the student submits the necessary documentation to the supervisor for verification:

- internship diary;
- report on the implementation of the program and individual practice plan.

A report on the completion of the internship of 3-5 pages of A4 format must contain a specific description of the work performed by the student, information on the implementation of all sections of the internship program and individual tasks, conclusions and suggestions, a list of used literature. The text of the report may contain relevant calculations, explanations, tables, schemes, diagrams, etc. The report compiled by the student must have continuous page numbering. The report is checked and approved by the internship manager from the department:

- review of the internship supervisor from the Department of Sociology on the work performed by the intern (located in the Diary);
- a description of the student-intern with an analysis of the types of work performed, written and certified by the head of the internship institution (found in the Diary).

7. Forms, methods of work and criteria for evaluating the performance of tasks of scientific and research practice

When evaluating research practice, the student's attitude to the work, feedback from the administration, and the methodologist-consultant of the institution - the base of the practice - are taken into account. Special attention is paid to the student's independence and his ability to formulate conclusions and recommendations.

No. of the company	Practice results	Control assessment measures	Deadline
1	The ability to apply theoretical skills in practice, participate in planning and organizing sociological activities, organizing and processing the results of sociological research.	testing, communication and information exchange, test	Week 1-8

Forms of work

During the internship, students complete the internship tasks in accordance with the set goal and are guided by the instructions of the internship supervisor from the university and the internship supervisor from the internship base.

University policy

Academic integrity

The policy and principles of academic integrity are defined in Section 3 of the Code of Honor of the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute". More details: <https://kpi.ua/code>. (other necessary information regarding academic integrity)

Norms of ethical behavior

The norms of ethical behavior of students and employees are defined in Section 2 of the Code of Honor of the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute". More information: <https://kpi.ua/code>.

Mastering distance learning courses.

At the request of the applicant, in conditions that do not contribute to regular visits to the practice base, it is allowed to study individual substantive parts of the educational component in asynchronous mode, in particular, through the mastery of distance courses. To be taken into account in the scoring system for mastering such courses, they must correspond in content to the syllabus, be agreed with the teacher, and to confirm the completion of the courses, the student must provide an appropriate document indicating the name and volume in hours. Recognition of the results of informal education occurs in the manner specified in the relevant Regulation of Igor Sikorsky Kyiv Polytechnic Institute <https://osvita.kpi.ua/node/179>.

8. Types of control and rating system for assessing learning outcomes (RSO)

Semester control: credit

A mandatory condition for admission to the credit is writing a report and filling out a practice diary. A student who has not completed the practice program for valid (documented) reasons may be granted the right to repeat the practice according to an individual schedule with financing of all costs associated with its organization and conduct by individuals or legal entities according to a separate estimate.

Evaluation and control measures

A student's rating in a discipline consists of points received for:

- starting component (assessment by the practice manager from the practice base);
- internship defense (evaluated by the internship supervisor)

1. Starting component (50 points)

The applicant's activities during the internship are assessed, in particular: fulfillment of tasks stipulated in the internship program; level of independence and initiative in research work; compliance with the requirements and schedule of the internship; responsibility, discipline and effectiveness of interaction with the internship supervisor from the internship base.

Evaluation criteria:

- "excellent" - the applicant regularly and fully completed the tasks of the research practice; demonstrated a high level of independence, initiative and responsibility; was actively involved in the research work of the practice base; the tasks were completed in a timely and high-quality manner; the results of the activity correspond to the set goals of the practice and indicate the acquisition of the planned professional and research competencies - 45–50 points;
- "good" - the applicant completed the main tasks of the internship in full; participation in research activities was sufficient, but with limited initiative; tasks were mostly completed on time, minor shortcomings in the quality or organization of work are possible; the results of the activity generally correspond to the internship program - 38–44 points;
- "satisfactory" - the applicant completed at least 60% of the planned internship tasks; the activity was irregular or required constant supervision by the supervisor; there are significant shortcomings in the organization of work, independence, or quality of task performance; the results partially meet the goals and objectives of the internship - 30–37 points;
- "unsatisfactory" - the applicant completed less than 60% of the internship tasks or was not actually involved in research activities; violated the terms of the internship; the results of the activity do not meet the requirements of the internship program - 0–29 points.

2. Practice defense (50 points)

The preparation of the internship report, keeping an internship diary, the applicant's presentation of the results of the internship during the defense of the report, and answers to the internship supervisor's questions are evaluated.

Evaluation criteria:

- "excellent" - the internship report is fully prepared and in accordance with the established requirements; the content of the report reflects the results of the implementation of the tasks of the research internship and demonstrates the formation of professional and research competencies; the internship diary is kept

regularly and contains at least 90% of the necessary information; the presentation of the internship results is logical, structured and convincing; the applicant clearly and reasonably answers the supervisor's questions - 45–50 points;

- "good" - the internship report generally meets the requirements, but contains some minor shortcomings in the structure or design; the internship diary contains at least 75% of the required information; the presentation of the results is clear, but may have minor logical or content inaccuracies; the answers to the questions are mostly correct, but not always sufficiently reasoned - 38–44 points;
- "satisfactory" - the internship report is drawn up with significant shortcomings or reflects at least 60% of the required volume of results; the internship diary is filled out irregularly and contains significant inaccuracies; the presentation is superficial or insufficiently structured; answers to questions are fragmentary, with significant errors or with the help of a supervisor - 30–37 points;
- "unsatisfactory" - the internship report does not meet the established requirements or is missing; the internship diary is not submitted or does not reflect the results of the internship; the presentation is missing or does not reveal the content of the internship; the applicant cannot answer the supervisor's questions - 0–29 points.

Based on the results of the defense, the semester control commission summarizes the scores for the starting component and the defense component, reduces them to a rating score and converts them to grades on the university scale.

Table of correspondence of rating points to grades on the university scale:

Number of points	Rating
100-95	Perfectly
94-85	Very good
84-75	Good
74-65	Satisfactorily
64-60	Enough
Less than 60	Unsatisfactorily
Admission conditions not met	Not allowed

Research internship work program (syllabus):

Compiled by teacher Bakhanov Oleksiy Yurievich

Approved by the Department of Sociology (Minutes No. 12 dated 05/24/2024)

Approved by the Methodological Commission of the Faculty (Minutes No. 9 dated 06/26/2024)