Research Practice

Research Practice Work Programme (Syllabus)

Course details	
Level of higher education	*Second (Master's)*
Field of knowledge	*C - social sciences, journalism, information and international relations*
Specialisation	*C5 Sociology*
Educational programme	*Social Data Analytics*
Status of discipline	*Mandatory*
Form of study	*Full-time (day)*
Year of study, semester	*2nd year, 4th semester*
Scope of the discipline	*14 ECTS credits, 420 hours* *Independent work – 420 hours*
Semester control/control measures	*Credit*
Class schedule	*https://schedule.kpi.ua/*
Language of instruction	*Ukrainian*
Information about course coordinator / lecturers	*Practical training supervisor: lecturer Oleksiy Yuriyovych Bahanov, +380957712095* *bakhanov@ukr.net*
Course location	*The course is hosted on the Sikorsky platform and in the Electronic Campus system* *Access mode: by invitation of the lecturer*

Curriculum

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

The research practice of students majoring in Sociology (C5) at the Faculty of Sociology and Law of Igor Sikorsky Kyiv Polytechnic Institute is an integral part of the professional training of specialists and the educational process at the higher education institution and requires particularly thorough practical training. The research practice is conducted separately from the study programme, lasts 8 weeks and involves independent work by student interns as sociologist assistants in a specific social institution.

It ensures a close connection between the theoretical training of future specialists and their practical professional development in terms of forming skills and professional abilities. Research practice promotes a connection with real life and ensures that the content meets the requirements of the sociologist profession, etc.

Practical training helps students better understand their own capabilities and promotes the formation of a realistic approach to their future professional activities.

Competencies acquired during the practice:
Professional competencies:
● the ability to design and conduct sociological research, develop and justify its methodology (FK3);

●the ability to present the results of scientific research and prepare scientific reports and publications (FK10);

●ability to apply modern statistical methods, models, digital technologies, and specialised software for modelling social processes (FK12);

●the ability to use the SPSS statistical package and the R and Python programming languages for social data analysis (FK13).

Programme learning outcomes:

●PRN 09. Plan and conduct scientific research in the field of sociology, analyse results, and justify conclusions.

●PRN 12. Analyse open source data (OSINT), analyse qualitative information and text data, and use intelligent analysis for social data.

The purpose of the research internship: to enable students to gain experience in independent research work on a topic chosen for their qualification work and to develop methods for conducting it; to develop competencies relevant to the chosen specialisation and educational qualification level.

During the internship, applicants will also be able to:

- consolidate and apply the theoretical knowledge they have acquired in practice;
- form a professional identity and develop the professional self-awareness of a future specialist;
- gain experience in performing professional duties, develop a sense of personal responsibility for the results of their work;
- develop the skills and practical abilities necessary for the work of a sociologist;
- familiarise themselves with the technologies of conducting sociological research at various stages — from preparation to analysis of results;
- to study theoretical sources on a selected scientific topic related to the specialisation of the department and one's own research problem in domestic and foreign literature;
- familiarise oneself with the results of theoretical and empirical research conducted by academic and industry institutions;
- determine and justify the methods of processing and analysing empirical data necessary for completing an individual research task.

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

The basic skills and abilities necessary to perform this work at the appropriate professional level are developed in future specialists during their internships at various institutions.

During the course of their studies, students participate directly in the planning, organisation and processing of the results of sociological research on behalf of agencies involved in sociology.

2. Prerequisites and post-requisites for the internship (place in the structural-logical scheme of training under the relevant educational programme)

Scientific and research practice enables students to apply their theoretical knowledge in practice and develop practical skills.

Prerequisites: ZO02 Pedagogy of Higher Education; PO01 Computer Analysis of Social Information and Data Visualisation; PO04 OSINT Technologies in Sociological Research; PO08 Methodology and Methods of Sociological Research in the Digital Age.

Post-requisites: Upon completion, students will be able to perform research tasks within the educational component "Master's Thesis".

3. Content and programme of scientific research practice

Scientific research practice for students is an important stage in the training of specialists within their future speciality and in gaining experience of independent work. It is regulated by the relevant documents of Igor Sikorsky KPI and consists of three stages:

1. Preparatory

At this stage, a lecturer from the Department of Sociology negotiates with enterprises and concludes agreements.

During the semester preceding the internship, students familiarise themselves with the programme and develop individual work plans based on it, taking into account the specifics of the institution. The internship supervisor reviews and adjusts the plans in accordance with the functional duties of a sociologist.

A week before the start of the internship, the department organises a meeting to determine the goals and tasks to be accomplished by the intern, and students are assigned to the companies where they will be doing their internship.

The internship programme provides for students to complete individual tasks, which stimulates their activity, broadens their worldview, increases their initiative and makes the internship more specific and purposeful.

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

Students receive individual tasks in accordance with the conditions of the institution and the topics of individual tasks for research practice.

Sociologists possess the full range of methods and technologies for collecting and processing sociological information: they demonstrate a highly developed sociological imagination and are proficient in modern theories, methodologies and methods of sociological research (from developing a research programme to providing specific recommendations for their further 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 / PSPP), use of R and Python programming languages in statistical calculations, working with open data sources (OSINT), data visualisation.

2. Basic

The intern's working day is determined by the rules of the work schedule and the working hours of the institution or organisation where the internship takes place. The internship begins with an introduction to the organisation, the manager, and the institution where the sociologist's practical activities will take place.

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

Any difficulties that arise during the research internship are resolved through group and individual consultations with the internship supervisor from the department. The duties of the internship supervisors include analysing the intern's activities based on an analysis of the difficulties and shortcomings in their practice.

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

Each student works according to an individual plan. The practice supervisor from the organisation helps to draw up a plan for the practice and makes ongoing adjustments during individual consultations. The research practice plan is designed to maximise the tasks and functions performed by a social worker in practical activities.

3. Final

At this stage, the student intern summarises the results obtained and compiles a report on the internship, which should contain the results of the work performed, feedback from the internship supervisor, a report on the work performed and the methods used during its implementation.

4. Results and defence of research practice

After the completion of the research practice, the group leader (student) from the base institution compiles a report on the work. The report is accompanied by proposals and materials prepared by the student(s) and accepted by the management for use in practical activities.

The management of the base institution organises a discussion of the results of the student's work and evaluates it on a five-point scale. The basic level of student training is also assessed by the department, taking into account the requirements of production for professional qualifications.

The main documents on the internship (individual plan, diary, work reports, proposals and materials prepared by students and accepted for use in the practical activities of the internship base) are submitted to the teacher who supervises the research internship. The internship is defended and the credit is awarded by the teacher who is the internship supervisor.

5. Teaching materials and resources

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

Policy and control

6. Formatting the results of the internship

After completing the research internship, the student submits the necessary documentation to the supervisor for review:
- a diary of the internship;
- report on the implementation of the programme and individual internship plan.

The report on the internship, 3-5 pages in A4 format, should contain a specific description of the work performed by the student, information on the completion of all sections of the internship programme and individual tasks, conclusions and proposals, and a list of references. The text of the report may contain relevant calculations, explanations, tables, diagrams, charts, etc. The report compiled by the student must have continuous page numbering. The report is checked and approved by the internship supervisor from the department:
- a review of the intern's work by the internship supervisor from the Department of Sociology (found in the Diary);
- characteristics 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 and methods of work during the performance of research practice tasks

Forms of work
During the practice, students perform the tasks of the practice in accordance with the set goals and are guided by the instructions of the practice supervisor from the university and the practice supervisor from the practice base.

University policy
Academic integrity
The policy and principles of academic integrity are defined in Section 3 of the Code of Honour of the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute". For more details, see: https://kpi.ua/code.
(other necessary information regarding academic integrity)

Standards of ethical conduct

The standards of ethical conduct for students and employees are defined in Section 2 of the Code of Honour of the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute". For more information, please visit: https://kpi.ua/code.

Mastering distance learning courses.

At the request of the applicant, in conditions that do not facilitate regular attendance at the training base, it is permissible to study individual content-rich parts of the educational component in asynchronous mode, in particular, through mastering distance learning courses. In order to be taken into account in the assessment system, the credits for such courses must correspond to the syllabus, be agreed with the teacher, and the student must provide a relevant document indicating the name and number of hours of the course to confirm completion. The recognition of informal education results is carried out in accordance with the procedure set out in the relevant Regulations of Igor Sikorsky KPI https://osvita.kpi.ua/node/179.

Artificial intelligence policy

The policy on the use of artificial intelligence and its principles are regulated by the order "Policy on the use of artificial intelligence for academic activities at Igor Sikorsky KPI". For more details, see: https://osvita.kpi.ua/node/1225.

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

Semester control: test

A mandatory condition for admission to the test is writing a report and filling out a practice diary. A student who has not completed the practice programme for valid (documented) reasons may be granted the right to repeat the practice according to an individual schedule with all expenses related to its organisation and conduct covered by individuals or legal entities according to a separate estimate.

Assessment and control measures

The student's grade for the discipline consists of points awarded for:

starting component (assessment by the internship supervisor from the internship base);

defence of the internship (assessed by the internship supervisor)

Starting component (50 points)

The applicant's activities during the research internship at the internship base are assessed, in particular: completion of tasks specified in the internship programme; 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 on the part of the internship base.

Assessment criteria:

"excellent" – the applicant regularly and fully completed the tasks of the research internship; demonstrated a high level of independence, initiative and responsibility; was actively involved in the research work of the internship base; tasks were completed on time and with high quality; the results of the activities correspond to the set goals of the internship and demonstrate the acquisition of the planned professional and research competencies – 45–50 points;

"good" — the applicant completed the main tasks of the practice in full; participation in research activities was sufficient, but with limited initiative; tasks were mostly completed on time, with possible minor shortcomings in the quality or organisation of work; the results of the activity generally correspond to the practice programme — 38–44 points;

"Satisfactory" — the applicant completed at least 60% of the planned tasks of the internship; the activity was irregular or required constant supervision by the supervisor; there are significant shortcomings in the organisation of work, independence or quality of task performance; the results partially correspond to 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 activities do not meet the requirements of the internship programme — 0–29 points.

Practical training defence (50 points)

The following are assessed: the preparation of the internship report, the keeping of the internship diary, the presentation of the results of the internship during the defence of the report, and the answers to the questions of the internship supervisor.

Assessment criteria:

"excellent" — the internship report is complete and meets the established requirements; the content of the report reflects the results of the research internship tasks and demonstrates the development of professional and research competencies; the internship diary is kept regularly and contains at least 90% of the required information; the presentation of the internship results is logical, structured and convincing; the applicant answers the supervisor's questions clearly and reasonably – 45–50 points;

"good" — the report on the practice generally meets the requirements, but contains minor flaws in structure or formatting; the practice diary contains at least 75% of the required information; the presentation of the results is clear, but may have minor logical or content inaccuracies; answers to questions are mostly correct, but not always sufficiently reasoned — 38–44 points;

"Satisfactory" – the internship report has significant shortcomings or reflects at least 60% of the required 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 the supervisor — 30–37 points;

"unsatisfactory" – the internship report does not meet the established requirements or is missing; the internship diary has not been 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 defence, the semester control commission sums up the points for the initial component and the defence component, converts them into a rating and translates them into grades on the university scale.

Table of correspondence between rating points and grades on the university scale:

Rating Applicant (points)	University scale of grades for the level of acquired competencies (learning outcomes)
100-95	Excellent
94	Very good
84	Good
74-65	Satisfactory
64-60	Sufficient
Less than 60	Unsatisfactory

Possible marks in the semester control report:

Not admitted	Failure to meet the conditions for admission to semester control
Removed	Violation of the principles of academic integrity or moral and ethical standards of conduct
Did not appear	The applicant was admitted but did not appear for the test

Work programme for scientific research practice (syllabus):

Prepared by lecturer Oleksii Yuriiovych Bahanov

Approved by: the Department of Sociology (Minutes No. 14 of 23 June 2025)

Approved by: the Methodological Commission of the Faculty of Sociology (Minutes No. 4 of 24 June 2025)