**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 | **Writing a research grant proposal** |
| Language of education | English |
| Goals of education | The aim of the course is to share the logics of funding schemes in research and to present guidelines for improving the chances of getting funds for a research project. The course will include knowledge on:* Programmes offered by NCN,
* How to use the proposal form in order to present a research idea at its best,
* Basic mistakes in grant applications,
* The evaluation process,
* Issues concerning research integrity, ethics in research and data management.

The instructor worked as a scientific coordinator for social sciences, arts and humanities at the National Science Centre, Poland for 8 years. She coordinated both national and international funding schemes. |
| Learning outcomes of an educational component | Knowledge:Student understands the processes of applying for funds for research; where to apply, what schemes to consider and what is the rationale behind the evaluation process, as well as the principles of open science.Skills:Student has the necessary competences for preparing an application for funding of a research project.Social competences:Student can work in team; is prepared for peer-reviewing, both for accepting critical comments from peers, as well as performing a review. |
| Verification methods and assessment criteria of learning outcomes obtained by students | The students will deliver requested sections of a funding application. They will participate in a mock-panel, reviewing and providing feedback to each other. The coordinator will assess the deliverables (both the prepared parts of a project and the reviews) |
| Type of an educational component (obligatory/optional) | optional |
| Year of study |  |
| Semester  | Winter  |
| Name and surname of the coordinator of a component and/or person/s conducting a component  | Kinga Sekerdej |
| Name and surname of person/s conducting an examination or granting credit in the case when this sposóis other person than conducting a component  | - |
| Manner of completion  | Lecture/workshop |
| Preliminary and additional requirements  | No preliminary requirements |
| Type and number of hours of courses requiringdirect participation of academic staff and students, if in a given component such courses are included  | 15 |
| Number of ECTS credits assigned to a component  | 2 |
| Balance of ECTS credits  | Classes – 15hPreparing selected parts of a grant application – 35h |
| Applied teaching methods | Lecture, seminar, workshop |
| 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 | 1. Submission of selected sections of research proposal
2. Submission of 2 short reviews
3. Active participating in mock-panel
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| Content of an educational module (with division into forms of courses completion) | Meeting 1: Basics of applying for funds and rationale behind funding schemes1. Crucial aspects of funding research
2. The rationale behind NCN and the rationale behind the particular calls
3. Searching for information on the funder’s site.
4. The map of funding schemes
5. Schemes aimed at young researchers

Meeting 2: Application form with its components1. Step by step – looking at the form
2. Discussing what are the functions of different application sections
3. Choosing the call, a panel, keywords
4. Scientific abstract vs abstract for the general public
5. Evaluation sheet
6. Record track
7. Budget
8. Short description
9. Detailed description
10. Dos and donts in applying for funds

Meeting 3: The evaluation process1. What happens when you submit? Evaluation process on the funder’s side.
2. Eligibility check/formal evaluation – what can go wrong.
3. Expert teams and reviewers
4. Panel meetings and discussions
5. Preparing for interviews
6. Appealing – when is it worth it?

Meeting 4: Research ethics and Data Management Plan1. Open Science principles
2. Research integrity and research misconduct
3. Ethics in research
4. Research with participants
5. Research including personal data
6. Data management principles

Meeting 5: Mock panel and peer review1. A workshop during which participants act as an expert team and evaluate the proposals they have submitted earlier.
2. Discussion of the process
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| List of basic as well as supplementary literature, knowledge of which is required in order to pass a given component  | Literature (optional)Dance, A. (2016). Funding: Word perfect. *Nature* **540,** 471–473. <https://doi.org/10.1038/nj7633-471a>Doran, M et. Al. (2021). The future of grant proposals is video. *Nature. Career Column.* 05 February 2021. <https://doi.org/10.1038/d41586-021-00341-3>Gould, J. (2019). Working scientist podcast: the grant funding lottery and how to fix it. *Nature Careers Podcast.* 08 February 2019. <https://doi.org/10.1038/d41586-019-00525-y>Ioannidis, J. P. (2005). Why most published research findings are false. PLoS Med, 2, e124.Israel, M. (2014). *Research Ethics and Integrity for Social Scientists: Beyond Regulatory Compliance.* (Sage)Kaplan, K. (2012). Funding: Got to get a grant. *Nature* **482,** 429–431 (2012). https://doi.org/10.1038/nj7385-429aPina, D. G. et al. (2021) Meta-research: a retrospective analysis of the peer review of more than 75,000 Marie Curie proposals between 2007 and 2018. *eLife* 2021;10:e59338 doi: [10.7554/eLife.59338](https://doi.org/10.7554/eLife.59338)Sohn, E. (2020). Secrets to writing a winning grant. *Nature* 577, 133-135. <https://doi.org/10.1038/d41586-019-03914-5>Wang, Y., Jones, B.F. & Wang, D. (2019). Early-career setback and future career impact. *Nat Commun* **10,** 4331 (2019). <https://doi.org/10.1038/s41467-019-12189-3><https://ncn.gov.pl/?language=en><https://ec.europa.eu/info/sites/info/files/6._h2020_ethics-soc-science-humanities_en.pdf><http://www.respectproject.org/ethics/guidelines.php><https://ncn.gov.pl/sites/default/files/pliki/regulaminy/wytyczne_zarzadzanie_danymi_06_2020_ang.pdf><https://ncn.gov.pl/sites/default/files/pliki/regulaminy/2019_12_wytyczne_dla_wnioskodawcow_kwestie_etyczne_ang.pdf> |