



General Research Methods

co-ordinator: Dr. László Csernoch vice-rector

NEPTUN code: DEAKIDI

Place: UD Main Building Auditorium Maximum (4th floor)

Lectures: Fridays 14.00 – 15.30 (first lecture: 10th February, 2017.)

1 credit

final test

Obligatory for 1st year PhD students, optional for the others.

10th February, 2017.

Dr. László Fésüs: Science ethics codes in Europe and Hungary

The lecture overviews moral and ethical aspect of scientific research, and the need to have code of conducts for research integrity. After the European Code, written by the European Science Foundation (ESF) and ALLEA (All European Academies), appeared in 2011 it was followed by acceptance of the Code of Science Ethics by the Hungarian Academy of Sciences and this has been applied throughout the country. This code covers all aspect of good research practice including publishing activities. It will be discussed during the lecture what the most serious violation of research ethics occur and how they should be handled in institutions and organizations.

24th February, 2017.

Dr. Péter Kakuk: Current Challenges in Fostering the Integrity of Science: The Hwang Woo Suk case.

The lecture follows the story of the infamous South Korean researcher's scientific fraud case as a template in order to introduce the most relevant ethical issues of research integrity developing in our globalized research environment. The lecture attempts to provide the audience with an overview on traditional ethical issues concerning human subject research protections (informed consent of research participants, researchers' responsibility on risk minimization etc.), introducing an international ethical perspective on research misconduct, falsification and fabrication of research results, issues related to conflict of interests, and questions on the rules of authorship in scientific publishing.

3rd March, 2017.

Dr. Tamás Bene: Research collaboration, IP protection and the basics of university technology transfer

Overview of the typical forms of research collaboration. MTA, CDA, CRADA, NDA, DESCA: basic types of research agreements. Evolution of the IP protection system and detailed overview of the forms of intellectual property. Copyright issues in the research management process. IP management at universities in Europe, in the USA and at the University of Debrecen. Publish or patent? What is the value of my patent? Assignment, license, spin-off or start-up? Guide to the technology transfer activity at universities.

17th March, 2017.

Dr. Zsolt Gémesi: Innovation management in practice

Commercialising intellectual property. From idea to investment, the path across the death valley. Conceptual basics, incubation, acceleration, business model, lean methodology. The role of a university incubator in shortening time-to-market, providing education, training and vital business contacts for start-ups.



7th April, 2017.

Gyöngyi Karácsony – Leonárd Petró: From the choice of topic to publication: information resources and tools in scholarly communication I.

How to find appropriate material to write an article? How to download them from the internet? What tools can help us meet the formal requirements of scholarly articles (citation, references, etc...)? What are the possibilities of academic publication. How to manage our professional activities to be recognized. The lecture presents the process of scholarly communication through exact examples.

21st April, 2017.

Gyöngyi Karácsony – Leonárd Petró: From the choice of topic to publication: information resources and tools in scholarly communication II.

Knowledge management (the value of knowledge and information; Tacit and explicit knowledge; establishing a knowledge-centred institutional approach). The role of visibility in scholarly communication (The role of visibility, university rankings, reputation; Research fellow network in the 21st century - Networked researcher; The method and resources of enhancing visibility - Research networks; The improved iDEa Academic Profiles.) Open access in scholarly communication (possibilities and ways of OA publishing; the rights and obligations of researchers; OA as part of the institutional publishing policy).

5th May, 2017.

Dr. Zsolt Páles: How to measure scientific activity

Why and how scientific activity should be measured. What kind of numerical indicators should be used. Summary, survey and applications of the most basic indicators (e.g. impact factor, citation number, Hirsch index).

19th May, 2017.

Test

Presentations, slides of the lectures will be available at the university portal:

<http://www.unideb.hu/hu/letoltheto-dokumentumok>