MODULE: From Academic Integrity to Research Integrity

Academic integrity/Research Integrity
Principles, values, violations
Checklists for MA students

Created by Hajrulla Hajrullai and Veli Kreci (South East European University)

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www.academicintegrity.eu/wp/bridge/
bridgeinfo@academicintegrity.eu

Module for students AI to RI
Training plan-schedule by session

Session 1:
Theoretical input
Introduction to the module
Kohlberg theory
Practice and Discussion

Session 2:
Academic integrity
Principles, values, violations, checklist

Session 3:
Research integrity, theory, practice, checklist

Main topics

- ethical and moral principles of academic integrity
- principles for research integrity and good practices
- contributing factors to violation of academic integrity principles
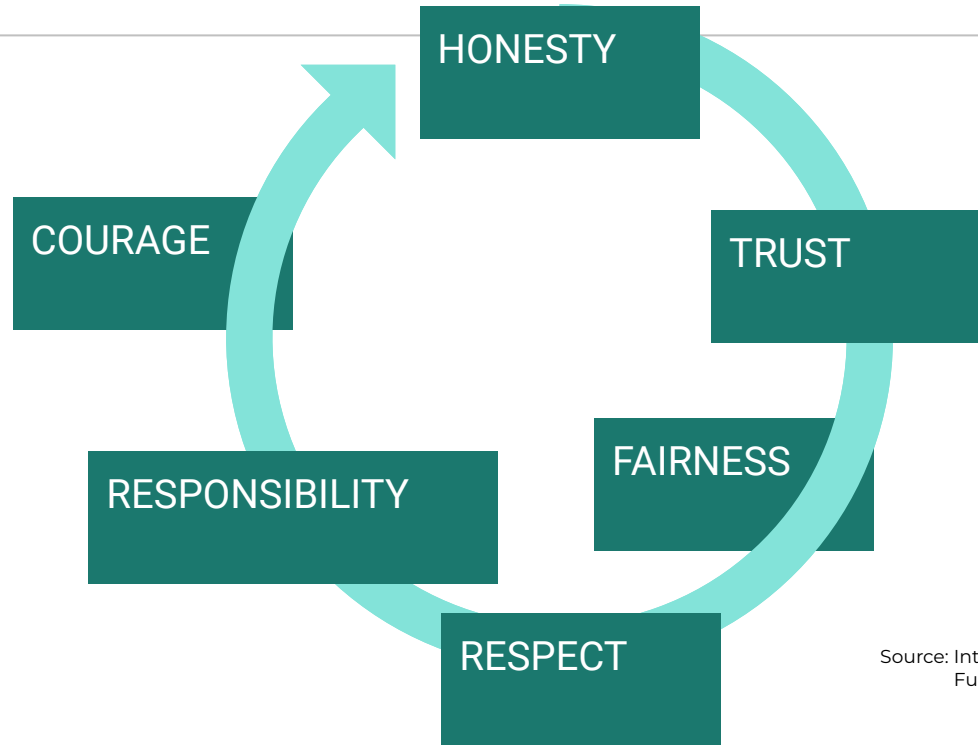- developing solutions to ethical dilemmas in research

Training objectives for the Module:

- identify good ethical and moral principles of academic integrity

- underly principles of research integrity

- explore impediments of development of academic integrity practices

- get familiar to ethical dilemmas in research

Target group:

Note: "Academic integrity seminar" to students taking research methodology course-students enrolled in undergraduate/master/PhD degree.

Fundamental Values

HONESTY

TRUST

FAIRNESS

RESPECT

RESPONSIBILITY

COURAGE

Source: International Center for Academic Integrity [ICAI]. (2021). The Fundamental Values of Academic Integrity. (3rd ed.).

European Network for Academic Integrity

ENAI defines Academic Integrity as

"Compliance with ethical and professional principles, standards and practices by individuals or institutions in education, research and scholarship."

Source: Tauginienė, L, Gaižauskaitė, I, Glendinning, I, Kravjar, J, Ojsteršek, M, Ribeiro, L, Odiņeca, T, Marino, F, Cosentino, M, Sivasubramaniam, S, Foltýnek, T. Glossary for Academic Integrity. ENAI Report 3G [online]: revised version, October 2018

Video
Why and how can higher education institutions create a culture of integrity

Video 1.
https://www.youtube.com/watch?v=JgNwlQ2q49k&ab_channel=Epigeum
Video 2. https://clipchamp.com/watch/QQfGBkmxLvh

Violation of AI practices

FABRICATION, FALSIFICATION, PLAGIARISM (FFP)

Types of major misconduct in an education, research or scholarship setting

FRAUD

Fraud is an intentional deception perpetrated to secure an unfair gain

PATCHWRITING

An unoriginal piece of writing composed of acknowledged or unacknowledged extracts from several different sources

QUESTIONABLE RESEARCH PRACTICES (QRPs)

Irresponsible research practices
Research practices that are regarded by many as unethical but are not considered being research misconduct.

What is the bridge between AI and RI and how to demonstrate them in your professional life

The BRIDGE checklists provide specific information about the way you can implement AI and RI values in your writing.

❏ If you are a MA student, please follow the checklists and read them and discuss them with your supervisor.

❏ Read the checklists and make sure you clarify any concepts you are not familiar with with your supervisor or colleagues.

❏ Demonstrate your understanding of the checklists by applying them while writing your thesis and other papers.

❏ By being aware of the values of the academic community, the students demonstrate those values with specific actions. In this way ensuring students are informed about the concepts of AI and the ways in which they can apply them thought the process of design, editing, writing, presentation and publication of the scientific papers.

Before you start

► The aim of this checklists is to assist master students in writing their thesis in accordance with the norms and values of academic and research integrity.

► This checklists helps guide students to prepare their thesis in line with the best research practices and to avoid the risks of research misconduct and questionable research practices.

► The checklists is to be used from the start of the writing and continuously throughout the process of thesis preparation, publication, and defence.

► Be aware that the list might need to be adapted to your own needs depending on the research field, your past experience, and institutional policies and rules. Consult your supervisor.

As a student, make sure you are informed about the following points:

☐ I have checked my university's formal requirements for my research work and, if applicable, have taken the required courses.

☐ I know what the thesis quality requirements are at my institution. One idea is to read a thesis from a previous year.

☐ I know where to find information on the thesis writing tasks and process and whom/what to consult if I have any questions (e.g. the supervisor, university library, and writing centre).

The importance of writing your MA thesis in accordance with the norms and the standards of academic and research integrity

Keep a research diary to help you save all your information

If possible, choose a topic that interests you and that you understand (or want to understand).

It is beneficial to inter-act with the research community and participate in academic events relevant to your work or field of study.

Use appropriate tools for working with literature sources, for example, reference management software.

Talking to students about academic and research integrity can never be too much.

I have knowledge of academic and research integrity, including of various breaches such as contract cheating, paper mills, gift authorship, plagiarism, and data management issues. I am aware of the consequences of dishonesty in research and of other breaches of institutional codes.

I have received appropriate training in academic and research integrity and, if not, have checked the availability of relevant courses and training at my institution and if not, check the ENAI website.

I know how to find documents, such as codes of ethics and institutional requirements, that are applicable to my research.

I take personal responsibility that my thesis will be researched and written with respect for academic and research integrity.

Consider the following circumstances and explore

Set the rules of "the game":

· Time and frequency of meetings with your mentor

· Permissions (if applicable)

· Communication (schedule, how, when)

· Need for ethical approval (if applicable)

· Handling personal data (if applicable)

Preparations for students work

Optional activity: Discuss with your colleagues which of the points above are applicable to your institution

My supervisor and I have set up a suitable work schedule, we have agreed on individual or group meetings and on the timeline that I will follow.

My supervisor and I have discussed how and when I can reach him/her; we have agreed to respect each other's working hours and avoid contacting each other on the weekends and during vacation time.

I have checked what permissions I need for my research (e.g., permission to use measurement instruments and existing data, and to conduct research at an organisation).

I have checked with my supervisor whether my research requires ethical approval and what ethical requirements apply to my research
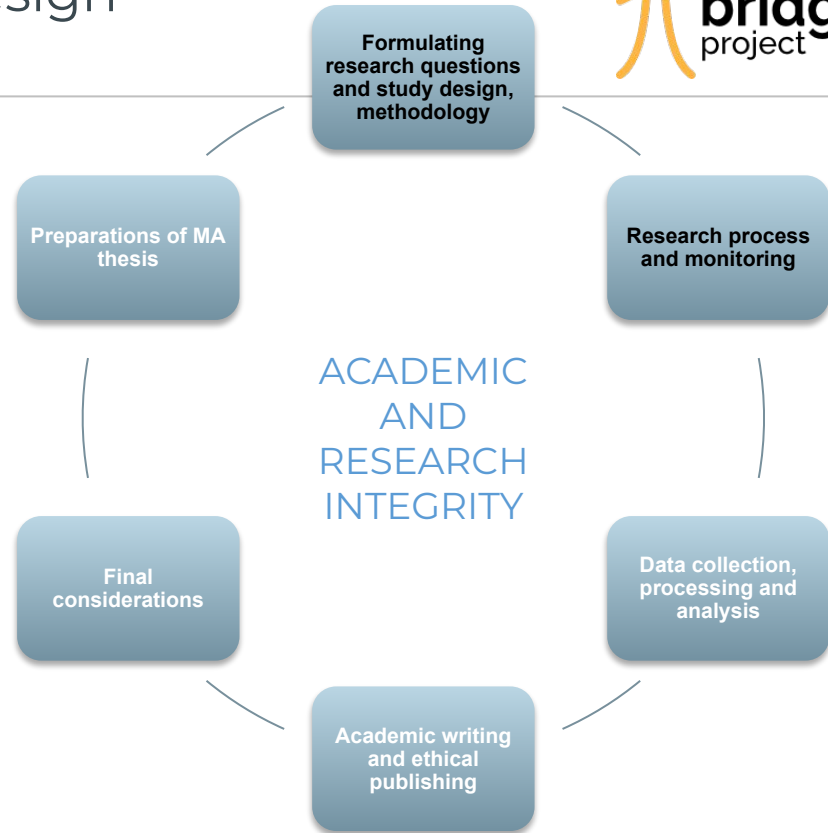
I have checked the requirements for handling personal data and for data protection that apply to my research work (e.g., GDPR) and I know how to fulfil them.

Formulating your research questions and the study design

Close cooperation between mentors and MA student is expected in

- selection of topic

- thesis topic approval

- implementation

Formulating research questions and study design, methodology

Research process and monitoring

Preparations of MA thesis

ACADEMIC AND RESEARCH INTEGRITY

Data collection, processing and analysis

Final considerations

Academic writing and ethical publishing

I have had my thesis topic approved by my supervisor.

I know how my thesis will make a contribution that distinguishes it from previous work.

I understand the assignment, and I know what the goal of the thesis is and how to achieve it.

My supervisor and I have discussed and agreed on the scope of my research and on what knowledge and/or skills are needed to implement the research design.

I have carefully designed the research methodology to correspond to my research question(s) and I discussed it with my supervisor before I started writing.

I have discussed possible conflicts of interest with my supervisor

Data processing and analyzing

Discuss data collection, processing and analysis with you supervisor

Check if there are any institutional policies regarding data management

Formulating research questions and study design, methodology

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ACADEMIC AND RESEARCH INTEGRITY

Final considerations

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My supervisor and I have talked about the research ethics aspects related to my work, such as the importance of informed consent, and have agreed on how research ethics principles will be ensured in my work.

My supervisor and I have discussed the proper ways of collecting, recording, and managing research data and have agreed on how these tasks will be done in my research.

My supervisor and I have talked about the importance of keeping good research protocols (i.e., research notes) and have agreed on their form.

My supervisor and I have agreed on the methods of data processing and analysis that I will be using.

I am aware of the institutional and legal requirements for properly storing research data and have agreed on how and where my data will be stored.

If there is a need to anonymize the collected data, I will make codes and do the anonymization before writing.

Students' role in academic writing and ethical publishing

Make sure you have a sufficient knowledge of academic writing.

Use university resources such as library, writing centers, educational material or other available software to improve your writing

Demonstrate ethical work with sources

bridge project

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ACADEMIC AND RESEARCH INTEGRITY

Final considerations

Data processing, analysing and storing

Academic writing and ethical publishing

Academic Reading

I know how to do a literature search and, if not, I know where to get help, for instance, at the university library.

I use only relevant and reliable scientific sources for my research.

I take notes while I am reading and I include complete bibliographic information together with my notes.

When reading academic texts in my discipline, I pay attention to the form and style of the writing to develop my own academic writing skills

I have read institutional sources and appropriate literature on how to write academic texts

Ethical work with sources

I have sufficient knowledge of proper citation (e.g., in-text citations and footnotes) and referencing techniques.

I have checked what referencing style is used at my institution, or selected a suitable one.

I have quoted and referred to all sources used.

I have indicated the beginning and end of all direct quotations, and followed them with matching in-text citations or footnotes.

I have referenced paraphrased or summarised text and I have used my own words rather than just replacing the existing words when paraphrasing an idea.

I have properly indicated the sources of all used materials (e.g., pictures, charts, and tables) and I have checked whether I am allowed to use them or whether I need to obtain permission.

I have properly labelled, numbered, and referenced all used material (e.g., pictures, charts, and tables) and made a special table of contents for them.

General tips when writing an MA thesis

- Enculturate yourself in your discipline

- Interact with the research community and participate in academic events.

- Check the structure, form and the language of your thesis

- Self-reflect and develop critical thinking by prioritizing ethical work

- Be active, be engaged and write consistently.

- Stay motivated to finish your thesis.

Structure, form, and language

I know what structure (e.g., IMRAD) I will use in my work and have agreed on it with my supervisor.

In the abstract, I have clearly stated the topic of my work and described the methodology and important results.

My thesis has a clear focus and consistent argumentation, including a clear connection between the research aim, main themes, and overall conclusion.

My conclusion is clearly stated and is consistent with the introduction

My language is grammatically correct, clear, and precise.

The aim of my thesis and the research questions are clearly stated in the introduction of my thesis.

I have applied the required formatting in the abstract and/or summary (if applicable), title page, table of contents, page numbering, reference list, table/figure list, list of abbreviations, etc.
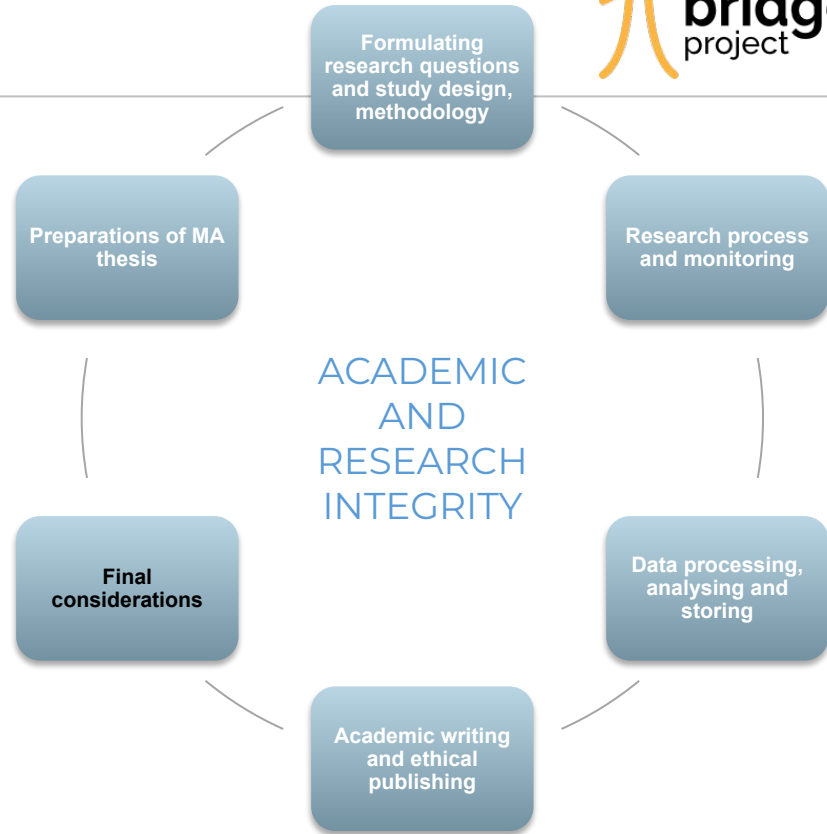
Final considerations

I have referenced my sources transparently.

I have used one reference style consistently.

I have double-checked whether I have formatted my work as required.

I have double-checked my bibliography and made sure that it contains all and only the sources cited in my thesis.

I have proofread my work.

Formulating research questions and study design, methodology

Preparations of MA thesis

Research process and monitoring

ACADEMIC AND RESEARCH INTEGRITY

Final considerations

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Academic writing and ethical publishing

Game time - one

Put your knowledge to the test

Plagiarism or not?

Simple task : For this role we would like to put yourself in a role of an instructor. In pairs/groups discuss the following scenarios and come to an agreement whether these cases exemplify plagiarism or other type of academic dishonesty.

1. A student has paraphrased all ideas from research sources and included a References page in his essay but forgot to include in-text citations.
2. A student submits his essay that he wrote in multiple courses.
3. A student includes sentences from other sources in the essay, but only changes a few of the words using synonyms. The student includes citations and a References page.
4. A student has kept a research diary, has used only primary sources and has included all of them in his bibliography.

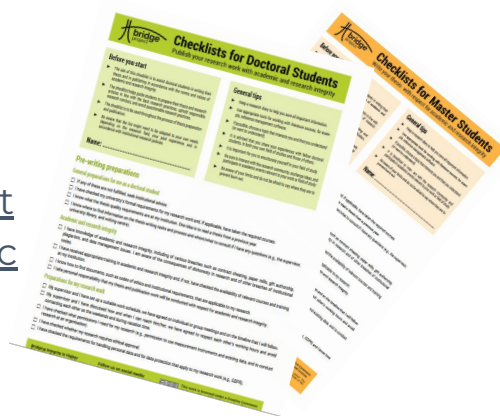# What tools and materials can be used when writing your thesis?

Write and publish in accordance with the norms and values of academic and research integrity.

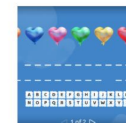- **Checklists on academic integrity for doctoral and master students** (Printed or online; Available at: https://www.academicintegrity.eu/wp/bridge-checklists/)

For learning academic and research integrity concepts:

- **Online Games** (Available at: https://www.academicintegrity.eu/wp/bridge-games/)

Online games
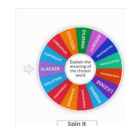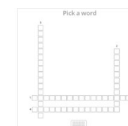

Match up: Types of biases

Hangman: CSR hangman

Balloon pop: Academic frauds

Airplane: Relevant scientific sources

For access to checklists for MA Students :

Scan Me

Thank you for your attention

Questions & Comments

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