

Research Ethics and good scientific practice

This module is composed of the following parts.

I – Monday June 15th 9:30-12:45: Viola Schiaffonati

The first part starts from a case study about responsibility in technological development and discusses how responsibility is a central concept in good scientific practice. The shift from passive responsibility to the novel notion of active responsibility is discussed. Case-studies are presented to evaluate the critical issues in active responsibility.

II – Monday June 15th 14:00-17: 15: Andrea Aliverti

The second part introduces good scientific practice and academic misconduct. It presents guidelines and conducts in ethics of research, such as informed consent and ethics commissions and committees, that are discussed with the use of examples and case studies.

III – Tuesday June 16th 9:30-11:00: Andrea Aliverti

The third part introduces publication ethics, by analyzing critical situations in everyday research and with the goal to avoid academic misconduct.

IV – Tuesday June 16th 11:15-12:45: Viola Schiaffonati

The fourth part discusses the major ethical frameworks. These ethical frameworks constitute the basis for introducing ethical reasoning and the most widespread fallacies in ethical reasoning, in general, and in scientific and technological reasoning, in particular.

Tuesday 16th afternoon: students will work in groups of 2 to prepare a presentation reflecting on the ethical issues of their research to be presented in the morning of Wednesday June 17th

V – Wednesday 17th June 9:30-11:00: Andrea Aliverti, Viola Schiaffonati, Siri Granum Carson

Students will present in groups of 2.

VI - Wednesday 17th June 11:15-13:00: Siri Granum Carson

The social responsibility of researchers and research institutions. Does your research activity lead to a better world, e.g. by contributing to reach the sustainable development goals set by the UN? Are individual researchers and/or research institutions bound by a social contract to contribute to the common good? These questions belong to what we might call “broad research ethics”.

Leadership & Management

This module is composed of the following parts.

I – Thursday, June 18th, 9:30-12:45: Tommaso Buganza

The first part will deal with the different phases of the Leadership theories across time. Leadership is a complex topic investigated from many different perspectives. In the beginning, leadership or charisma were thought to be due to genetically inherited characteristics both in terms of physical traits or personality ones. Then Researchers understood the pivotal role of behaviors in determining the leadership performance of the individuals. Also, the importance of the followers will be analyzed until those theories which make all the leadership topic only dependent on the followers...and not the leaders

II – Thursday, June 18th, 14:00-17: 15: Tommaso Buganza

The second part will focus specifically on one leadership model based on leadership as a process. We will introduce, analyze, and discuss the Transactional vs. Transformational leadership model by comparing both their attended results and their limits. Students will also be asked to self-evaluate themselves against the model

III – Friday, June 19th, 9:30-11:00: Tommaso Buganza

Teamwork will be the core of the third module and, more specifically, the importance of TRUST in the teamwork activities. Using the JoHary window model, we'll see the mechanism to create and maintain the trust levels as well as the importance of trust across the phases of a team lifecycle.

IV – Friday, June 19th, 11:15-12:45: Tommaso Buganza

Finally, the last part will be focused on a specific tool for trust-building: the feedback. This topic will be seen with the particular perspective of the behavioral feedback analyzing both the techniques and the real impacts of their application