**SYLLABUS**

## 1. Program Information

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|---|---|
| 1.1 Higher education institution | Technical University of Cluj-Napoca |
| 1.2 Faculty | Faculty of Automation and Computer Science |
| 1.3 Department | Department of Automation |
| 1.4 Field of study | Automation, Applied Informatics and Intelligent Systems |
| 1.5 Cycle of studies | Bachelor |
| 1.6 Study Programme/Qualification | Intelligent Automation Systems (dual, in English language) |
| 1.7 Form of education | IF – full-time education |
| 1.8 Course code | 53.20 |

## 2. Course information

| 2.1 Course title | Ethics and Academic Integrity | | | |
|---|---|---|---|---|
| 2.2 Course lecturer | | | | |
| 2.3 Seminar / Laboratory / Project Lecturer | *Ing. Georgiana Miclea (Emerson)* *Ing. Emanuela Mocan  (Emerson)* | | | |
| 2.4 Year of study | 4 | 2.5 Semester | 1 | 2.6 Type of assessment | V |
| 2.7 Course status | Formative category *(DF, DS, DC)* | | | DC |
| | Optionality *(DOB, DOP, DFac)* | | | DOP |

## 3.Total estimated time

| 3.1 Number of hours per week | 1 | of which: | HEI | Lecture | 0 | Seminar | 0 | Laboratory | 0 | Project | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CO | | 0 | | 0 | | 0 | | 1 |
| 3.2 Number of hours per semester | 14 | of which: | HEI | Lecture | 0 | Seminar | 0 | Laboratory | 0 | Project | 0 |
| | | | CO | | 0 | | 0 | | 0 | | 14 |

| 3.3 Distribution of time allocation (hours per semester) for: | HEI | CO |
|---|---|---|
| (a) Study based on textbook, course support, bibliography, and notes | | 12 |
| (b) Additional documentation in library, specialized electronic platforms, and fieldwork | | |
| (c) Preparation of seminars/laboratories, assignments, papers, portfolios and essays | | 20 |
| (d) Tutoring | | |
| (e) Examinations | | 4 |
| (f) Other activities: | | |
| 3.4 Total individual study hours (sum (3.3(a)... 3.3(f))) | | 36 |
| 3.5 Total hours per semester (3.2+3.4) | | 50 |
| 3.6 Number of credits per semester | | 2 |

*(HEI = Higher Education Institution, CO = Company)*

## 4. Prerequisites (where applicable)

| 4.1 Curriculum Prerequisites | |
|---|---|
| 4.2 Competency Prerequisites | |

## 5. Conditions (where applicable)

| 5.1. Course Organization Conditions | |
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| 5.2. Seminar / Laboratory / Project organization conditions | |

## 6. Specific Competencies Acquired

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| Professional Competencies | • PC07 Demonstrate disciplinary expertise<br>• PC13 Interact professionally in research and professional environments |
| Transversal Competencie | • TC03 Demonstrate responsibility<br>• TC04 Work in teams |

## 7. Learning outcomes

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| Knowledge: | • Students will be able to define and explain key ethical principles, codes, and frameworks relevant to academic and professional integrity. |
| Skills: | • Students will analyse and evaluate ethical dilemmas using established ethical decision-making models and communicate their reasoning effectively. |
| Responsibility and autonomy: | • Students will demonstrate commitment to ethical behaviour by recognizing the impact of their decisions on others and upholding professional standards.<br>• Students will independently apply ethical principles to novel situations, making informed and morally responsible decisions without supervision. |

## 8. Course Objectives

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| 8.1 General objective of the course | • To equip students with a thorough understanding of ethical principles and professional integrity, enabling them to recognize, analyse, and resolve ethical dilemmas in academic and professional settings. |
| 8.2 Specific objectives | • To develop students' ability to apply ethical theories and codes of conduct to real-world academic and business scenarios.<br>• To enhance critical thinking and communication skills through case study analysis and ethical debates. |

## 9. Contents

| 9.1 Lectures | No. of hours | Teaching methods | Obs. |
|---|---|---|---|
| NA | | | |
| | | | |

| 9.2 Seminar / laboratory / project | Hours HEI | Hours CO | Teaching methods | Obs. |
|---|---|---|---|---|
| Academic and Business Ethics Code: Foundations and Frameworks for Responsible Conduct | | 4 | Interactive Slides Case Study Analysis Class Debates | |
| Ethics in Engineering and Business Decisions: Navigating Professional Responsibilities and Societal Impact | | 3 | | |
| Professional Integrity – Ethical Dilemmas: Challenges and Choices in Upholding Moral Standards | | 3 | | |
| Practical Applicability – Case Studies and Debates: Applying Ethics through Real-World Scenarios and Critical Discussion | | 4 | | |
| Bibliography (UTCN library) | | | | |

[1] K. P. Parboteeah and J. B. Cullen, Business Ethics. New York, NY: Routledge, 2019.
[2] G. G. Brenkert and T. L. Beauchamp, Eds., The Oxford Handbook of Business Ethics. Oxford, UK: Oxford University Press, 2010.
[3] C. U. Becker, Business Ethics: Methods and Application. Cham, Switzerland: Springer, 2019.
[4] P. Falcone, Workplace Ethics: Mastering Ethical Leadership and Sustaining a Moral Workplace. New York, NY: Routledge, 2022.

**10. Correlation of course content with the expectations of the epistemic community representatives, professional associations, and major employers in the field related to the program**

The course content aligns with academic standards by emphasizing integrity and ethical research expected by epistemic communities. It reflects professional associations' codes by covering ethics in engineering and business decision-making. Through case studies and debates, it develops practical skills employers seek for ethical judgment and workplace integrity. Overall, it prepares students to meet the ethical expectations of academia, industry, and professional bodies.

**11. Evaluation**

| Activity Type | Evaluation criteria | Evaluation methods | Weight in final grade |
|---|---|---|---|
| 11.1 Lecture | | | |
| 11.2 Seminar/ Laboratory/Project | Clarity, depth of ethical analysis, use of supporting evidence, engagement with the audience, and ability to respond to questions. | A group or individual presentation analyzing an ethical case or topic, | 100% |
| 11.3 Minimum Performance Standard Demonstrate a clear understanding of core ethical principles and successfully apply ethical reasoning to at least basic case analyses with coherent justification. | | | |

| Date of completion: 11.05.2025 | Program responsible | Conf.dr.ing. Roxana Rusu-Both | |
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| Date of approval by the Department of Automation Council

24.11.2025
_____ | Director of the Department of Automation
Prof.dr.ing. Honoriu VĂLEAN |
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| Date of approval by the Faculty of Automation and Computer Science Council

28.11.2025
_____ | Dean
Prof.dr.ing. Vlad MUREȘAN |