# ICT & Law

Prof. Calogero Micciché

***COURSE AIMS AND INTENDED LEARNING OUTCOMES***

The course focuses on the fundamental concepts, the main elements and the most significant issues of legal informatics and ICT & Law.

The course analyzes the relationship between legal science and information technologies, the legal profiles of digital innovation and the impact of Information and Communication Technologies (ICT) on society, on the legal system, on personal rights and on public administration activities.

The course aims to provide knowledge about the law of new technologies, in the light of regulatory, jurisprudential and doctrinal developments, at national and supranational level. The course allows to acquire legal knowledge and interpretative tools about the discipline and the problems related to the use of information technologies, through the study of the sources and the most relevant aspects from a legal point of view. The course will examine the relationship between ICT and administrative law.

At the end of the course the student will acquire the basics of legal informatics, will know the fundamental elements and the main tools that characterize ICT & Law and will be able to understand and analyze the legal, ethical and social implications of technological applications, gaining awareness of the opportunities and risks and in relation to the need for balancing different interests and rights. The student will also acquire orientation skills and aptitude to deal with the main legal issues posed by information technologies; the student will be able to analyze concrete cases and solve specific problems, applying the knowledge and skills acquired in the course and using an appropriate technical legal language.

***COURSE CONTENT***

* legal science and information technologies: law and technology; notions of computer science; legal informatics; elements of computer science law and digital tools of the jurist; origins, historical evolution and subject of ICT & Law.
* Human rights and digital innovation: constitutional freedoms and information technologies; digital citizenship; right to Internet access; personal data protection; digital identity; right to be forgotten.
* The regulation of the digital society; the independent administrative authorities and in particular the Italian Data Protection Authority and the Italian Regulatory Authority for Communications.
* Digital society and public institutions: Digital Administration Code and digitization of the administrative legal relationship; algorithmic administrative provision; open government; digital citizenship; online services; e-democracy.
* Legal protection of IT goods.
* Legal instruments and new technologies: electronic documents; electronic signatures; electronic communications; digital contracts.
* Emerging technologies and law: data society and data governance; open data; big data; Internet of Things (IoT); artificial intelligence; distributed ledger technologies (DLT); blockchains; smart contracts and smart cities.
* Responsibility and ICT.

***READING LIST***

Attending students will integrate lecture notes and the materials provided with the sections of the book adopted which will be indicated during the course.

Non-attending students are required to study one book chosen from the following two:

F. Faini - S. Pietropaoli, *Scienza giuridica e tecnologie informatiche. Temi e problemi*, second edition, Giappichelli, Torino.

R. Cavallo Perin - D. Urania Galetta (a cura di), *Il diritto dell’amministrazione pubblica digitale*, Giappichelli, Torino, ultima edizione disponibile. [*Acquista da VP*](https://librerie.unicatt.it/scheda-libro/fernanda-faini-stefano-pietropaoli/scienza-giuridica-e-tecnologie-informatiche-9788892108851-699167.html)

***TEACHING METHOD***

Frontal lectures, examination of case studies, use of multimedia tools, classroom discussions and practical exercises.

***ASSESSMENT METHOD AND CRITERIA***

The exam will consist of an oral examination aimed to verify the level of learning.

For the assessment, these are the criteria: the student’s ability to deal correctly and comprehensively with the topic, the relevance and completeness of the answers, the reasoning, analysis and argumentation ability, the appropriate use of technical legal language, the ability to make conceptual connections, the ability to solve concrete problems.

***NOTES AND PREREQUISITES***

The course does not require prerequisites with respect to the contents. However, intellectual interest and curiosity for the legal reflection on issues concerning digital and technological innovation are recommended.

For adequate preparation, frequency is strongly recommended.

For the activities of the course, the Blackboard Learning SystemTM will be used, available online at <http://blackboard.unicatt.it>, through which lesson materials, in-depth documentation and notices relating to the course may be made available to students.

Information on office hours is available on the teacher’s personal page at <http://docenti.unicatt.it>.