Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
COM229	History of Science and Technology	3	2	0	0	2	3

Prerequisites	
Admission Requirements	

Language of Instruction	French
Course Type	Elective
Course Level	Bachelor Degree
Objective	Have an overview of the history of science and technology, particularly applied to communication.
Content	The course consists of three parts: 1. The scientific spirit. Definition of science, techniques and technology. Exploration of the scientific approach and overview of scientific research methods. 2. General history of science, from prehistory to the twenty-first century. From the birth of science to the most recent developments, a social history of science that links the major discoveries in their historical and social contexts. 3. Science and technology of communication. Birth of the concept of modern communications and the main currents of thought (direct and indirect effects of media, utopias of communication, critical and sociological approaches).
References	Conner Clifford D., 2011 (2005). Histoire populaire des sciences, Montreuil : L'Échappée. Flichy Patrice, 1997 (1991). Une histoire de la communication moderne. Espace public et vie privée, Paris : La Découverte. Mattelart Armand, 1997 (1994). L'Invention de la communication, Paris : La Découverte. Mondoux André, 2011. Histoire sociale des technologies numériques. De 1945 à nos jours. Québec : Éditions Nota Bene.

Theory Topics

Week	Weekly Contents
1	Introduction. Technics and sciences applied to communication
2	Book history. From volumen to screens
3	Telegraph and politics
4	Telegraph and traders
5	Telephone. History of remote conversation
6	Radio. War and mass communication
7	Photography. Esthetics of proof
8	Midterm
9	History of networks. Transoceanic cables
10	Internet. Raise of the network
11	Internet. Internationalisation of the network
12	Digital Social networks
13	Government, big data and algorithmes
14	Conclusion