



DEPARTAMENTO ...:TECHNOLOGY AND DATA SCIENCE (TDS)
CURSO.....:MESTRADO E DOUTORADO EM ADMINISTRAÇÃO DE EMPRESAS
.....:MESTRADO E DOUTORADO EM ADMINISTRAÇÃO PÚBLICA E GOVERNO
..... MESTRADO PROFISSIONAL EM ADMINISTRAÇÃO PÚBLICA
DISCIPLINA:INFORMATION TECHNOLOGY & DEVELOPMENT (INGLÊS)
PROFESSORES: EDUARDO HENRIQUE DINIZ (TDS)
DURAÇÃO: 2020-1 – 30 HORAS – MÓDULO 1

SYLLABUS

INTRODUCTION

The relationship between technology and society has been increasingly paradoxical in our century. If on one hand the technological development has brought great advances in the quality of life and productivity in many regions of the world, on the other hand its omnipresence in all spheres of human life and the different levels of penetration in different areas has also been a source of tensions and criticism. Research in ICT - information and communication technologies - point to a positive contribution of these technologies for social development in various areas of activities, such as health, education, employment and many others. The positive effect is mainly through increased access to information and reduction of communication costs. Internet and mobile phones have great potential for improving health and education systems and in fighting regional and social inequalities. However these benefits are not being fully realized for a number of reasons of a different nature, which can be analyzed from different perspectives. In this interdisciplinary course we discuss the different roles that ICT can play to social development. The focus is the Brazilian scenario, but during the course will be extensively discussed examples of other cultures and territories. This theme, which has already been internationally known as ICT4D (Information and Communication Technologies for Development), has produced extensive bibliography that will be widely used during the course.

OBJECTIVES

Objectives of CMCDAPG	Objectives of the course	Degree of contribution
Qualitative research methods	---	○ ○ ○
Quantitative research methods	---	○ ○ ○
Knowledge of the subject of research/theory	To discuss the different roles that ICT can play to social development	● ● ●
Procedures of research	To define and propose a research related to ICT4D	● ● ○
Relevance and innovation in research	To understand the role of ICT beyond the traditional organizational aspects	● ○ ○
Elaboration of papers	To design and propose a publishable paper covering a topic related to ICT4D	● ● ●
Other objectives of the course: to develop useful concepts to understand the process of social and economic development and the role of information and ICT for the social development process and new knowledge and skills to assist in the effective planning, development, implementation and management of ICT4D initiatives and policies		

METHODOLOGY

The course will be taught through lectures, case discussions, seminars presented by the students and readings to promote discussions on the adopted literature. The course is structured in 5 meetings covering different topics related to the subject of ICT4D.



GRADING

Participation	20%
Seminar:	20%
Pre-Project	20%
Final Project:	40%

Participation will be based on frequency and contribution of each student to discussions performed during sessions. Previous reading of the papers related to each session is essential for promoting a higher level discussion expected during the course.

Seminar will happen in every class on the topic of the day, starting from the second class. Students must present one case related to the subject of the session in a given date. Students must bring a case of her/his choice related to the subject of the session. Basic literature will be provided but it is expected that students bring new sources to enrich the discussion on the subject being covered.

Final Project is expected to be a literature review (paper format, in English) of one topic related to the main subject of the course. Students must propose their Project at the end of the first month in a format of pre-project. Final Project is expected to be delivered one week after the last session. Projects can be presented by one single student (or more, depending on the number of students enrolled)

CONTENT

Each of the eight classes of the course will cover one subject related to the main topic of the course. Below the list of subjects proposed:

1. ICT4D: overview of the field
2. Theory in ICT4D
3. Researching ICT4D
4. Global-Local Dialogue: the implementation challenges
5. Open & Reverse Innovation
6. Hacker Ethics
7. ICT for good
8. Blockchain for good

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*Other papers can be included in this list of readings