

COURSE: KAIS - KEY ASPECTS OF THE INFORMATION SYSTEMS FIELD
DEPARTMENT: TDS - Technology & Data Science
PROGRAM: CMCD AE
SEMESTER: 1st 2023 - 1st BIMESTER
CLASS-HOURS: 30 hours
PROFESSOR: Otavio Sanchez
LANGUAGE: English

COURSE DESCRIPTION

A core competency of master and doctoral students is the ability to advance the knowledge in the field. To successfully acquire this competence, first it is essential that the contours of the discipline are very clearly understood so new knowledge can be consistently proposed and recognized in the field.

Effectively delineating a discipline requires knowing its four essential and interconnected dimensions, which are: (1) Domains: what are the real and significant problems that are addressed in the short and long term by the discipline; (2) Criteria: the values and conditions that legitimize new knowledge and researchers; (3) Practices: the scientific approaches and strategies that are mostly recognizable and employed by the participants in the sense that characterizes a set of best practices in the field; and (4) Gates and Agents: the key processes and actors involved in producing new knowledge and disseminating it, and from where useful examples can be obtained.

This course aims to provide students with broad knowledge about these four dimensions in the mainstream of Information Systems (IS) discipline. At the end of the course, students are expected to be able to recognize and navigate in IS research field, as well as plan and articulate actions that meet the key requirements for proposing high-quality knowledge, which will allow them to guide their choices in the development of their own research proposals.

LEARNING GOALS

The course's learning objectives are presented in the following table, where it is indicated how they contribute to the CMCDAE's learning objectives.

CMCDAE Main topics	Course Objectives	Contribution *
Qualitative research methods	Understand and critically discuss the most viable strategies that depend on qualitative analyses to conduct relevant research in the IS field	●○○
Quantitative research methods	Understand and critically discuss the most viable strategies that depend on quantitative analyses to conduct relevant research in the IS field	●○○
Research topics and theory knowledge	Facilitate the identification of relevant problems in the main domains of IS field and the articulation of to develop research proposals compatible with the current stage of the international field of IS	●●○
Research procedures	Support the identification of potential research opportunities in the mainstream of the IS field	●●●
Relevance and innovation in research	Support the identification of relevant issues and the articulation of a research proposal capable of potential contribution to the international IS field	●●●
Development of scientific papers	Stimulate the development of a viable research proposal meeting the requirements of the international IS field, the discussion of pertinent theories and methods	●●●

LEVEL OF CONTRIBUTION IN THE CORRESPONDING PROGRAM TOPIC			
High	Medium	Low	None
●●●	●●○	●○○	○○○

PREVIOUSLY REQUIRED KNOWLEDGE

It is desirable to bring to the course practical information about applications of information systems at individual and business level, especially regarding the problems or difficulties in applying IS or ulterior to that application.

CONTENT AND METHODS

Classes are based on previous readings and discussions aiming to stimulate creative articulation of the knowledge covered. A micro-activities workshop format distributed among classes is employed aiming to relate knowledge from previous classes with the identification and evaluation of original research opportunities in IS field.

This dynamic requires extensive manipulation of international journal papers of the field. Consequently, reading speed and mastery of interpretation of articles written in English are of great importance for a consistent learning during the course. Students are expected to dedicate approximately 6 outclass hours a week for reading and material preparation.

ASSESSMENT

TEST	WEIGHT	DESCRIPTION
P1	30 %	Discussion and Participation: Effective discussion of the class topic, which requires prior reading, interpretation, and consistent literature preparation. It is considered positive the identification of materials relevant to the topic, additional to those that have been indicated.
P2	30 %	Presentations: Ability to properly communicate the main elements of the presentation, with consistent mastery, depth and articulation
PF (Av1+Av2)	40 %	Individual research project: Delivery of a relevant and viable research proposal, formatted according to the template provided

PROFESSOR MINI CV



Otavio Sanchez

Associate Professor of Information Systems and Quantitative Methods at Ph.D. & Master Courses of Fundacao Getulio Vargas FGV-EAESP and Visiting Scholar at the University of Arizona. His research interests range from Strategy and Management of Information Systems, Information Economics, Behavioral Economics, Behavioral Information Systems, and Psychometrics. His research has appeared in high-impact journals like JAIS – Journal of the Association for Information Systems, CACM-Communications of the ACM, IJPM-International Journal of Project Management, ISF-Information Systems Frontiers, among others. Member of INFORMS – Management, and Services Operations Society, Information Management Society, and AIS – Association for Information Systems. He has been serving as a referee for the top IS journals as MISQ – MIS Quarterly, JMIS – Journal of Management Information Systems, JSIS – Journal of Strategic Information Systems, JAIS – Journal of the Association for Information Systems, EJIS – European Journal of Information Systems, ISM – Information Systems Management, C&E – Computers & Education, and the main IS international conferences as ICIS – International Conference on Information Systems and ECIS – European Conference on Information Systems. Senior Editor of AIS journal Transactions on Replication Research (AIS TRR – <https://aisel.aisnet.org/trr/>). He has served as a member of the Scientific Committee of Information Systems Division at ANPAD – Brazilian National Post-graduation Programs Association (2013-2014) and as its Division's Head (2015-2017). He is currently the leader of the research stream of AATI – Administration, Analysis, and Information Technology of EAESP-FGV. His entire academic CV is available at <http://lattes.cnpq.br/3744651482348616>.

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