

COURSE: KAISF - KEY ASPECTS OF THE BUSINESS INFORMATION SYSTEMS FIELD
 DEPARTMENT: TDS - Technology & Data Science
 PROGRAM: CMCD AE
 SEMESTER and YEAR: 1st 2024 - 1st BIMESTER
 CLASS-HOURS: 30 hours 15 hours
 PROFESSOR: Otavio Sanchez
 LANGUAGE: English

COURSE DESCRIPTION

The ability to self-advance knowledge in the field is a core competency master and doctoral students should gain during a program. To successfully acquire this competence, first, they must clearly understand the contours of the discipline so new knowledge can be proposed, consistently added, and recognized in the field.

However, delineating a discipline requires knowing its four essential and interconnected dimensions, which are: (1) Domains: what are the fundamental and significant problems addressed in the short-medium and long terms by the discipline; (2) Criteria: the values and conditions to legitimize new knowledge and researchers; (3) Practices: the scientific approaches and strategies that are recognizable and employed by the current 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 and disseminating new knowledge, and from where obtain good examples.

This course aims to provide students with a broad knowledge of these four dimensions in the mainstream of the Business Information Systems (IS) discipline. At the end of the course, master and doctoral students are expected to be able to competently recognize and navigate the IS research field, as well as plan articulated actions that meet the essential requirements for creating new high-quality knowledge, which will allow them to guide their own choices in the field.

LEARNING GOALS

The course's learning objectives are presented in the following table, indicating how they contribute to the CMCDAE's learning objectives.

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

CMCDAE Objectives	Course learning goals	Level of 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.	●○○
Knowledge of research themes (Master) and theory (Doctorate)	Facilitate the identification of relevant problems in the main domains of the IS field and the articulation of developing research proposals compatible with the current stage of the international field of IS.	●●○
Research Design and Development	Support the identification of potential research opportunities in the mainstream IS field.	●●●
Relevance (Master and Doctorate) and Innovation (Doctorate) in research	Support the identification of relevant issues and articulating a research proposal capable of potential contribution to the international IS field	●●●
Development of academic papers	Stimulate the development of a viable research proposal meeting the requirements of the international IS field, the discussion of pertinent theories and methods	●●●

The full description of the CMCDAE objectives and other related information are available at <https://rebrand.ly/cmae-eaesp> (masters) and <https://rebrand.ly/cdae-eaesp> (doctorate).

PREVIOUS KNOWLEDGE REQUIRED

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

CONTENT AND METHODS

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

This dynamic requires extensive manipulation of international journal papers in the field. Consequently, reading speed and mastery of interpreting articles written in English are of great importance for consistent learning during the course. Students must dedicate approximately six outclass hours a week to 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. In addition to those indicated, identifying relevant materials to the topic is considered relevant.
P2	30 %	Presentations: Ability to properly communicate the main elements of the presentation with consistency, mastery, depth, and articulation
PF	40 %	Individual research project: Deliver a relevant and viable research proposal formatted according to the template provided

REFERENCES

Class 1

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Class 4 - extras

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PROFESSOR MINI CV



Otavio Sanchez is an Associate Professor of Information Systems and Quantitative Methods at Ph.D. & Master Courses of Fundação Getúlio 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 A.C.M., IJPM-International Journal of Project Management, ISF-Information Systems Frontiers, among others. Member of INFORMS – Management, Services Operations Society, Information Management Society, and AIS – Association for Information Systems. He has been a referee for the top IS journals such 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 leading IS international conferences such as ICIS – International Conference on Information Systems and ECIS – European Conference on Information Systems. Senior Editor of AIS Journal of Transactions on Replication Research (AIS TRR – <https://aisel.aisnet.org/trr/>). He has served as a member of the Scientific Committee of the 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 AATI – Administration, Analysis, and Information Technology research stream of FGV-EAESP. His entire academic CV is available at <http://lattes.cnpq.br/3744651482348616>.

COURSE SCHEDULE

#	DATE	WHAT IT COVERS	CLASS TOPIC	ACTIVITIES AND MATERIALS	FOR THE NEXT CLASS
1	Feb. 7 th	2, 4	<ul style="list-style-type: none"> IS domains, main phenomena, leading authors, a small amount of history, contributions 	[1] [2] [3] [4] [5]	<p>Read, interpret, and systematize the next class references.</p> <p>You will be asked to present your material.</p> <p>Do not forget to bring your notebook to this class</p>
			<ul style="list-style-type: none"> General view of the main theories employed in the field 	[6] [7] [8]	
			<ul style="list-style-type: none"> IS top conferences: Why you should participate (inspiration, recognition, feedback), what else to expect 	[9] Activity: explore winner papers from ICIS 2021 2021 Winners: ICIS [10]; student: [11]; theory: [12]	
2	Feb. 14 th	2, 4	<ul style="list-style-type: none"> Students present their materials 	[13] [14] [15] [16] [17] Activity: navigate the resources and execute some Boolean searches -: EBSCO, Scopus, WoS, Google Scholar, RRabbit, EndNotes, Grammarly	<p>Read, interpret, and systematize the next class references, considering the DC concept.</p> <p>During the next class, you will be asked to discuss the topic.</p>
			<ul style="list-style-type: none"> The field as a social construction Leading journals: Senior Basket e ABS classification Editorial dynamics - Knowledge dissemination Legitimate Knowledge & co-authorship legitimation Leading aggregators, essential search tools 		
			<ul style="list-style-type: none"> The role of systematic literature reviews 	[18] [19] [20] [21]	
3	Feb. 28 th	1, 3	<ul style="list-style-type: none"> Only two basic types of IS motivations exist - The positive and negative properties of the Destabilizing Condition – DC. DC at the individual, technology/ group, and organizational levels 	[22] [23] [24] Activity: explore and identify the DC condition at multiple levels in the sample papers Ind: [25]; Tech: [26]; Gr: [27]; Org: [28]	<p>The next class is CRITICAL! Come prepared by reading 34-41 references in advance!!</p> <p>Deeply read (probably more than once), interpret, and systematize the next class references, especially the first block</p>
			<ul style="list-style-type: none"> Practical relevance – Finding topics with a high probability of leading to practical relevance later on 	[29] [30] Activity: navigate the resources and identify topics of possible practical relevance	
				<ul style="list-style-type: none"> How to communicate the practical relevance 	
4	Mar. 7 th	3	<ul style="list-style-type: none"> Students present their materials 	[34] [35] [36] [37] [38] [39] [40] [41]	<p>Returning to class 3, identify one or two topics of practical relevance. Elaborate a research question (class 4) and schematically present it next class</p>
			<ul style="list-style-type: none"> Theoretical relevance and contribution Theory types: Grand, Midrange, Substantive Theory Elaboration Theorizing strategies: Innovation, focus, and generalization 	Extras: [42] [43] [44] [45] [46] [47]	
5	Mar. 14 th	2, 3	<ul style="list-style-type: none"> Students present their materials Theories types: Mature, Intermediary, Nascent Topic maturity and methodological fit The data analysis function in the research discussion Typical data analysis techniques in IS field 	[48] [49] [50]	<p>For each topic identified in the last class, elaborate on topic maturity.</p> <p>Propose a data analysis technique that corresponds to the maturity identified.</p>
6	Mar. 21 th	2, 3	<ul style="list-style-type: none"> Students present their materials 	[51] [52] [53] [54] [55]	<p>Start a working paper: Propose a title plus a one-page Introduction section of one of the topics identified before</p>
			<ul style="list-style-type: none"> Preparing a Working Paper: Structure and Coherence Language registry, content, and argumentation structure Format expected: step-by-step of an Introduction Section 		
7	Apr. 11 th	2, 4	<ul style="list-style-type: none"> Students present their materials 	[56] [57] [58] [59] [60] [61] [62] [63] [47] [64]	<p>Upload of the extended working paper (Title, Abstract, one-page introduction, Red Thread (outlined literature review))</p>
			<ul style="list-style-type: none"> The roles of a senior editor, associate editors, and reviewers The process of reviewing papers for journals The merits of a replication paper - full and short paper Answering reviewers 		
8	Apr. 18 th	1, 2, 3, 4	<p>Quick presentation of your extended working paper (upload until Apr 25th)</p>		

Note: classes are from 15h00-16h40, followed by a 20-minute interval, and from 17h00-18h40.

Topics coverage are: Legenda (1) Domains; (2) Criteria; (3) Practices; (4) Gates and Agents.

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