


Process Mining		
CENTRO UNIVERSITÁRIO CTC DEPARTAMENTO DE INFORMÁTICA	Ano e semestre 2017.1	
INF2982	Top de Otimização e Raciocínio Automático V	
	CARGA HORÁRIA TOTAL: 45	CRÉDITOS: 3
	Prof. Hélio Lopes	

OBJETIVOS	Process mining is considered the missing link between model-based process analysis and data-oriented analysis techniques. This course present fundamental concepts of Process Mining. The students will work with real data and will use specialized software to analyze and enhance processes.
EMENTA	Introduction to Data Mining. Process Models. Process Discovery. Conformance. Process Mining Applications
PROGRAMA	Introduction Preliminaries (Process Modeling and Data Mining) From Event Logs to Process Models Process Discovery Beyond Process Discovery
AVALIAÇÃO	Implemented coursework, presentation, and written assignments.
BIBLIOGRAFIA PRINCIPAL	Wil van der Aalst, Process Mining: Data Science in Action, Second Edition, 2016, Springer.
BIBLIOGRAFIA COMPLEMENTAR	Zumel, Nina, and John Mount. Practical data science with R, 2014.