


PERÍODO: 2018.1		
CENTRO UNIVERSITÁRIO CTC DEPARTAMENTO DE INFORMÁTICA		
INF2391	<i>Data Science</i> <i>Tópicos de Banco de Dados V</i>	
	Prof. Simone DJ Barbosa Prof. Hélio Côrtes Vieira Lopes	
	CARGA HORÁRIA TOTAL: 45	CRÉDITOS: 3
	Pré-requisito: n/a	

<b>OBJETIVOS</b>	Present fundamental concepts of Data Science with emphasis in reproducible research. Illustrate all concepts by real examples, which will be implemented in R.
<b>EMENTA</b>	Introduction to reproducible research`. Getting data. Preparing data for analysis. Exploring data. Modeling methods. Delivering results through documents with embedded code. Showing results with tables and figures
<b>PROGRAMA</b>	Introduction to reproducible research Introduction to R Getting data Preparing data for analysis Exploring data Modeling methods Delivering results with knitR, LaTeX, and Markdown Showing results with tables and figures
<b>AVALIAÇÃO</b>	Implemented coursework, presentations, and written assignments.
<b>BIBLIOGRAFIA PRINCIPAL</b>	Gandrud, Christopher. Reproducible research with R and RStudio. CRC Press, 2013. Kuhn, Max, and Kjell Johnson. Applied predictive modeling. New York: Springer, 2013. Lamigueiro, Oscar Perpinan. Displaying Time Series, Spatial, and Space-time Data with R. CRC Press, 2014. Xie, Yihui. Dynamic Documents with R and knitr. CRC Press, 2013. Zumel, Nina, and John Mount. Practical data science with R, 2014.
<b>BIBLIOGRAFIA COMPLEMENTAR</b>	