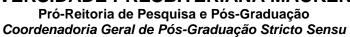


UNIVERSIDADE PRESBITERIANA MACKENZIE





SYLLABUS

University Unit: Center for Biological and Health Sciences	
Graduate Program:	
Developmental Disorders	
Degree:	al Discission
Master deg	gree Professional Master degree Doctoral degree
Subject:	
Fundamentals of Applied Biostatistics	
Professors:	
Ana Alexandra Caldas Osório	
Cristiane Silvestre de Paula	
Observation:	
The discipline presents different intervention strategies in school context under a neuropsychological	
and a behavioral approach. Specific techniques are discussed for different conditions related to	
	mental disorders. The programmatic content includes interventions for specific learning
among others	ellectual disability, attention deficit hyperactivity disorder, autism spectrum disorder,
Workload:	Credits: Required
48 h/a	04 Soptative
10 11/4	Elective
Syllabus:	
To study the resources and scope of the IBM SPSS® statistical package for quantitative studies in	
health, psychology and education. To apply statistical models, derived from the basic conceptual	
pillars of biostatistics, to research questions in the area of biological and health sciences. Articulation	
between course content and students' projects. To apply statistical analysis to quantitative studies, in	
order to organize, describe and make inferences about the data.	
Program Con	atent:
During the 12 lessons, basic concepts will be discussed within a practical approach. Course content:	
(1) Defining different types of variables; (2) Creating a database in IBM SPSS®; (3) Presenting the	
data (tables, graphs, etc.); (4) Concepts related to descriptive analysis (frequencies, mean, median,	
etc.); (5) Descriptive statistics (for nominal, ordinal and scale variables), (6) Inferential statistics	
	and difference tests), (7) Analysis of effect sizes.
Evaluation Criteria	
Evaluation:	
According to the Coneral Regulation of Stricts Sensy Boot Creduction, Art. 00:	
According to the General Regulation of <i>Stricto Sensu</i> Post-Graduation, Art. 98: A - excellent: corresponds to scores in the interval between 9 and 10;	
B - good: corresponds to scores in the interval between 8 and 8.9;	
C - regular: corresponds to scores in the interval between 7 and 7.9;	
R - reproved: corresponds to scores in the interval between 0 and 6.9.	



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Pró-Reitoria de Pesquisa e Pós-Graduação Coordenadoria Geral de Pós-Graduação Stricto Sensu

References:

Dancey, C. P., & Reidy, J. (2013). Estatística sem matemática para psicologia – usando SPSS para Windows. Porto Alegre: Artmed.

Field, A. (2013). Descobrindo a Estatística usando o SPSS. Porto alegre: Artmed.

Martins, C. (2012). Manual de Análise de Dados com Recurso ao IBM SPSS: Saber decidir, fazer, interpretar e redigir. Braga: Psiquilíbrios.