

UNIVERSIDADE PRESBITERIANA MACKENZIE



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

SCHOOL PLAN

University Unit: Engineering school			
Graduate program:			
Geospatial Sciences and	Applications		
Curse:	<u> </u>		
Academic Master	☐ Professional	Master's ⊠ Doctorate degree	
Discipline:			
Planetary Science			
Teacher (s):			
Adriana Benetti Marques	Valio		
Note:			
The Geospatial Science and Applications Program is multidisciplinary, encompassing research in several lines. The disciplines of the Program reflect this multidisciplinarity and require, many times, several professors, specialists in different topics, studied in the disciplines.			
Workload:	Credits	Required	
48 h	4		
		☐ Eleffective	
Description:			
		planets and their natural satellites, dwarf planets,	
		ypes of planet and their characteristics: terrestrial	
		on, structure and main features of the bodies that	
make up the Solar System. Theories of formation of planetary systems. Discovery of planets in orbit of other stars. Detection methods of extrasolar planets and their characteristics. Habitability			
Zone and Astrobiology. Interaction between stars and their planets, tidal effects and magnetic			
interaction. Stellar activity and its effects on the planets.			
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Program content:			
List of themes, subjects and concepts that will be studied in the stage.			
Evaluation criteria			
According to the General Regulation of Stricto Sensu Post-Graduation, Art. 98:			
A - excellent: corresponds to grades in the interval between grades 9 and 10;			
B - good: corresponds to grades in the interval between grades 8 and 8.9;			
C - regular: corresponds to grades in the interval between grades 7 and 7.9;			
R - disapproved: corresponds to grades in the interval between degrees 0 and 6.9 "			
Bibliography:			
- Planetary Sciences", de	Pater, I. E Lissaue	er, J. J., Cambridge University Press, 2001.	
- Planetary Systems: Detection, Formation and Habitability of Extrasolar Planets", Ollivier, M., Encrenaz, T., Roques, F., Selsis, F., Casoli, F., Ed. Springer, 2009.			
LITOTETIAZ, T., KUYUES, F.,	Jeisis, F., Casull,	i ., Lu. Springer, 2009.	
Complementary:			
- The Solar System", Encrenaz, T. e Bibring, JP., Springer Verlag, Berlin, 1990.			
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- The New Solar System", Beatty, J. K., 4a. Ed, Cambridge University Press, 1999.			



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Schedule		
Date	Theme	