

ACADEMIC TRANSCRIPT

6/22/2022

Page 1

Personal Data		Record Number	Admission	Gender	
Rodrigo Nascente Schmitt		70888/2021	18/02/2021	Masculino	
7/9/1997	Sao Paulo		SP	BR	
		Academic Bac	ckground		
B.Sc. in Physics	University of Sao Paulo	1/12/2019			
Major		•	•	Level	Date of Completion
Engineering and Space Technology / Space Mechanics		ace Mechanics	and Control	Masters	4/3/2022
		Adviso	rs		***************************************
Academic	Silvio Manea	Research 1	arch 1 Antonio Fernando Bertachini de Almeida Prad		e Almeida Prado
Research 2	Vivian Martins Gomes	Research 3			
Discortation /Theorie	Optimization of trajector	ries from Earth t	to the Moon consid	lering fuel con:	sumption and
Dissertation/Thesis	Dissertation/Thesis radiation dose absorbed				

Period	2020/03	Partial Grade	A+		
DESCRIPTION	N	ACRONYM	CREDITS	GRADE	STATUS
Periodic and	Quasi-periodic Orbits in the				
Three-Body P	roblem	CMC-411	4	A+	Concluded
Artificial Sate	llites - Orbital Movement	CMC-303	4	A+	Concluded

Period	2021/00	Partial Grade	7	
DESCRIPTION	ACRONYM	CREDITS	GRADE	STATUS
Introduction to Orbital Mechanics	CMC-020	0	А	Concluded '
Introduction to Thermal Control of Satellites	CMC-022	0	А	Concluded
Introduction to Control Systems	CMC-021	0	В	Concluded

Period	2021/01	Partial Grade	A-	
DESCRIPTION	ACRONYM	CREDITS	GRADE	STATUS
Multidisciplinary Project Optimization	CSE-337	4	B+	Concluded
Introduction to Space Systems Engineering	CSE-201	4	Α	Concluded
Introduction to Satellite Technology	CSE-200	4	Α	Concluded
Space Mechanics and Control I Seminar	CMC-227	1	Р	Concluded
Control Theory	CMC-201	4	A-	Concluded

		Situation	Concluded	Approved
Rodrigo Nascente Schmitt	Credits	39	Global Grade	A
	São José dos Cam	pos, de	1 3 MAIU ZUZ	de

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Graduate School Service

Marios Rockenbach Da Silva Chefe do Serviço de Pós-Graduação SIAPE 2084471

MCTI-INPE

São José dos Campos

Servico de Pós-Graduaçã



ACADEMIC TRANSCRIPT

6/22/2022

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Period	2021/02	Partial Grade

DESCRIPTION	ACRONYM	CREDITS	GRADE	STATUS
Language Examination - English	EXL-002	0	Р	Concluded
Orientation for Research and Digital Publicat	i OPP-001	0	Р	Concluded
Dissertation Proposal Examination	EXP-001	0	Р	Concluded
Space Mechanics and Control II Seminar	CMC-228	1	Р	Concluded

Period 2021/03 Partial Grade

DESCRIPTION	ACRONYM	CREDITS	GRADE	STATUS
Space Mechanics and Control III Seminar	CMC-229	1	Р	Concluded

Period 2022/01 Partial Grade

DESCRIPTION	ACRONYM	CREDITS	GRADE	STATUS
Master's Thesis	CMC-750	12	Р	Concluded
Master's Research in Space Engineering and T	CMC-730	0	Р	Concluded

		Situation	Concluded	Approved
Rodrigo Nascente Schmitt	Credits	39	Global Grade	A

São José dos Campos,

__de

1 3 MAID 2024 de

MCTI-INPE

São José dos Campos Serviço de Pós-Graduação **Graduate School Service**

Marios Rockenbach Da Silva Chefe do Serviço de Pós-Graduação SIAPE 2084471

CONVENTIONS

GRADE DEFINITIONS

APPROVAL:

A+	4.2	Exceptional
Α	4	Excellent
A-	3.7	Excellent
B+	3.3	Good
В	3	Good
B-	2.7	Good
C+	2.3	Regular
С	2	Regular
C-	1.7	Regular
P	<u> </u>	Approved

FAILURE:

0	Failed
	0

INDICATORS

1	Incomplete

J **Justified Truancy**

T **Transferred Credits from other Institutions**

TM Course with Withdrawal

Ongoing Activity

CREDITS

Each Credit corresponds to 15 hours of formal classes or equivalent. The overall grade is determined by the weighted average of all individual grades, except the P grades, using their respective credits as weights.

LEVEL

D	Doctorate
М	Master's

1 **Isolated Discipline**

Important Note: This document is valid when signed

MCTI-INPE

São José dos Campos Serviço de Pós-Graduação

Marios Rockenbach Da Silva Chefe do Serviço de Pós-Graduação

SIAPE 2084471

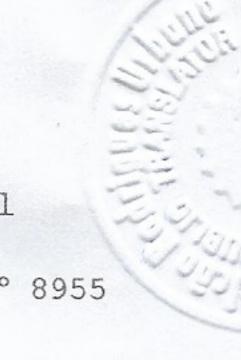
1 3 MAIO 2024



República Federativa do Brasil Vera Lúcia Falcão Rodrigues Urbano

Tradutor Público Juramentado e Intérprete Comercial JUCESP no. 1803 - Idioma: Inglês

CPF n° 762.884.638-68 / INSS n° 119.501.9059-0 / Inscr.Mun.n° 8955



Tradução nº.1151 Livro nº.VIII Fls. nº.220

I, Vera Lucia Falcão Rodrigues Urbano, Public and Sworn Translator, certify and acknowledge the receipt of a copy of a Diploma issued by INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS, written in Portuguese language, that I have translated into ENGLISH language, as follows:

FEDERATIVE REPUBLIC OF BRAZIL MINISTRY OF SCIENCE, TECHNOLOGY AND INNOVATIONS NATIONAL INSTITUTE OF SPACE RESEARCH - INPE

The Dean of the National Institute for Space Research, in the use of his legal attributions, confers the TITLE OF MASTER IN SPACE ENGINEERING AND TECHNOLOGY, Core Area in Space Mechanics and Control, upon RODRIGO NASCENTE SCHMITT, Brazilian, natural of São Paulo State, born on September 07, 1997, bearer of the Identity Card no. 39.407.706-4-SP, for having complied on March 04, 2022 with the requirements requested for the title. The present Diploma confers him all the legal rights and privileges foreseen in the current Law.

São José dos Campos, March 22, 2022.

[SIC: illegible signature] - Graduate student

[SIC: illegible signature] - Ieda Del'Arco Sanches - Pro-Rector

[SIC: illegible signature] - Clezio Marcos De Nardin - Dean

[On the back page]

Course accredited according to MEC Ordinance 656 of May 22, 2017, published on D.O.U. on 05/23/2017 and republished on D.O.U. on 07/27/2017.

MEC - NATIONAL INSTITUTE OF SPACE RESEARCH

Diploma registered under no. 313 - Book no. 01 - Page 158 - Process 708 888/2021, in accordance with CNE/CES Resolution no. 7 of December 11, 2017. São José dos Campos, 05/25/2022.

[SIC: illegible signature] Edleusa Aparecida Ferreira - Post-Graduation Dept.

NOTHING ELSE was written on the above submitted document, which I return with this translation typed in one page (1693 characters) that I have checked, found in accordance with and signed. Fee: R\$ 186.00

São Paulo, June 20, 2022.

VERA LÚCIA FALCÃO RODRIGUES URBANO

Official Academic Transcript from

University of Notre Dame

Statement of Authenticity

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Sending School Information

University of Notre Dame Amika Micou 300 Grace Hall Notre Dame, IN 46556

Telephone: 574-631-7043

School Web Page: http://www.nd.edu/

Registrar Office Web Page: http://registrar.nd.edu/

Course Catalog Web Page: http://registrar.nd.edu/BOI.shtml

Accreditation: North Central Association of Colleges and Schools, The Higher Learning Commission (NCA-HLC)

Student Information

Student Name: Rodrigo Nascente Schmitt

Numeric Identifier: Not Provided By the Sending School

Birth Date: Not Provided By the Sending School

Student Email: rodrigo.schmitt@usp.br

Receiver Information

Rodrigo Nascente Schmitt rodrigo.schmitt@usp.br



Document Information

Transmitted On: Thu, 17 May 2018 Transcript ID: TRAN000014374955

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Date Issued: 17-MAY-2018

Page:

1

Student ID: XXXXX4030
Soc Sec No: XXX-XX-

Nascente Schmitt, Rodrigo

Soc Sec No: XXX-XX-Birth Date: 09-07-XXXX

Issued To: Rodrigo Nascente Schmitt rodrigo.schmitt@usp.br
Student Email: rodrigo.schmitt@usp.br

Course Level: Undergraduate Non-Degree Program: NON-DEGREE UNDERGRADUATE

College: University

Major: None

From University of Notre Dame to Rodrigo Nascente Schmitt rodrigo.schmitt@usp.br on 05/17/2018 08:32 AM TRAN000014374955

						UNI	SEMESTE	ER TOTALS	3	C	VERALL I	OTALS	
CRSE ID	COURSE TIT	LE	CRS	GRD	QPTS	ATTEMP	EARNED	GPA	GPA	ATTEMP	EARNED	GPA	GPA
			HRS			HRS	HRS	HRS		HRS	HRS	HRS	
UNIVERSITY (OF NOTRE DAME	CREDIT:											
Spring Seme: University													
ACMS 30440	Probabilit	y and Statistics	3.000	Α	12.000								
AME 20241	Solid Mech	anics	3.000	Α	12.000								
AME 30381	Orbital and	d Space Dynamics	3.000	A-	11.001								
PHYS 60203	Stat Analys	sis for Mod Astro	3.000	A-	11.001								
-	_		Total		46.002	12.000	12.000	12.000	3.834	12.000	12.000	12.000	3.834
*****	***** T	RANSCRIPT TOTALS **	*****	****	*****	******	******	******	*****	*****	*****	******	*****
NOTRE DAME	Ehrs:	12.000 QPts:		46.0	0.2								
.,,	GPA-Hrs:	12.000 GPA:		3.8									
TRANSFER	Ehrs:	0.000 QPts:		0.0	00								
	GPA-Hrs:	0.000 GPA:		0.0	00								
OVERALL	Ehrs:	12.000 QPts:		46.0	02								
- —	GPA-Hrs:	12.000 GPA:		3.8									
*******	*****	אדר סבי המאומקם דמה **	******	****		*******	******	******	******	*******	******	******	*****

CAMPUS CODES

All courses taught at an off campus location will have a campus code listed before the course title.

The most frequently used codes are:

AF	Angers, France
DC	Washington, DC
FA	Fremantle, Australia
IA	Innsbruck, Austria
IR	Dublin, Ireland
LA	London, England (Fall/Spring)
LE	London, England (Law-JD)
LG	London, England (Summer EG)
LS	London, England (Summer AL)

PA Perth. Australia PM Puebla, Mexico RE Rome, Italy

RI Rome, Italy (Architecture)

SC Santiago, Chile Toledo, Spain

> For a complete list of codes, please see the following website: http://registrar.nd.edu/pdf/campuscodes.pdf

GRADING SYSTEM - SEMESTER CALENDAR

Previous grading systems as well as complete explanations are available at the following website:

http://registrar.nd.edu/students/gradefinal.php

August 1000 Dranaut

Letter	Point	August 1988 - Present
Grade	Value	Legend
Α	4	
A-	3.667	
B+	3.333	
В	3	
B-	2.667	
C+	2.333	
С	2	Lowest passing grade for graduate students.
C-	1.667	
D	1	Lowest passing grade for undergraduate students.
F	0	Failure
F*	0	No final grade reported for an individual student (Registrar assigned).
Х	0	Given with the approval of the student's dean in extenuating circumstances beyond the control of the student. It reverts to "F" if not changed within 30 days after the beginning of the next semester in which the student is enrolled.

Incomplete (reserved for advanced students in advanced studies courses only). It is a temporary and unacceptable grade indicating a failure to complete work in a course. The course work must be completed and the "I" changed according to the appropriate Academic Code.

U Unsatisfactory work (courses without semester credit hours, as well as research courses, departmental seminars or colloquia or directed studies; workshops; field education and skill courses).

Grades which are not Included in the Computation of the Average

- S Satisfactory work (courses without semester credit hours, as well as research courses, departmental seminars or colloquia or directed studies; workshops; field education and skill courses).
- Auditor (Graduate students only).
- Discontinued with permission. To secure a "W" the student must have the authorization of the dean.
- Pass in a course taken on a pass-fail basis.
- NR Not reported. Final grade(s) not reported by the instructor due to extenuating circumstances.

For current and historical grade point averages by class, as well as additional information regarding prior grading policies and current distribution ranges, see: http://registrar.nd.edu/students/gradefinal.php

THE LAW SCHOOL GRADING SYSTEM

The current grading system for the law school is as follows: A (4.000), A-(3.667), B+ (3.333), B (3.000), B- (2.667), C+ (2.333), C (2.000), C- (1.667), D (1.000), F or U (0.000).

Effective academic year 2011-2012, the law school implemented a grade normalization policy, with mandatory mean ranges (for any course with 10 or more students) and mandatory distribution ranges (for any course with 25 or more students). For Legal Writing (I & II) only, the mean requirement will apply but the distribution requirement will not apply. The mean ranges are as follows: for all first-year courses (except for the first-year elective, which is treated as an upper-level course), the mean is 3.25 to 3.30; for large upperlevel courses (25 or more students), the mean is 3.25 to 3.35; for small upper-level courses (10-24 students), the mean is 3.15 to 3.45.

For current and historical grade point averages by class, as well as additional information regarding prior grading policies and current distribution ranges, see: http://registrar.nd.edu/students/gradefinal.php

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CHUCK HURLEY, UNIVERSITY REGISTRAR

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COURSE NUMBERING SYSTEM

Previous course numbering systems (prior to Summer 2005) are available at the following website:

http://registrar.nd.edu/faculty/course numbering.php

Beginning in Summer 2005, all courses offered are five numeric digits long (e.g. ENGL 43715).

The first digit of the course number indicates the level of the course.

ENGL 0 X - XXX = Pre-College course

ENGL 1 X - XXX = Freshman Level course ENGL 2 X - XXX = Sophomore Level course

ENGL 3 X - XXX = Junior Level course

ENGL 4 X - XXX = Senior Level course

ENGL 5 X - XXX = 5th Year Senior / Advanced Undergraduate Course

ENGL 6 X - XXX = 1st Year Graduate Level Course

ENGL 7 X - XXX = 2nd Year Graduate Level Course (MBA / LAW)

ENGL 8 X - XXX = 3rd Year Graduate Level Course (MBA / LAW)

ENGL 9 X - XXX = Upper Level Graduate Level Course

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Jupiter - Academic Management System of the Office of Undergraduate Education FISICA F.C. CONSOLIDATED ACADEMIC RECORD

School:

Institute of Astronomy, Geophysics and Atmospheric Sciences

Student:

9318463/1 - Rodrigo Nascente Schmitt

Course #:

Entry into university: Entrance Exam - Feb/2015

Current Status:

Closed

Personal Details

Course Name: 14030 Astronomy

Date of birth:

09/07/1997

Birthplace:

São Paulo

Brazilian official ID:

SP RG 39.407.706-4

Nationality:

Brazilian

Feb/2015

Entry into university:

Entrance Exam

Date of Entry: Ranking:

Diploma Details:

Date of Graduation:

08/06/2019

Degree:

Bachelor in Astronomy

Diploma issued on:

08/30/2019

Year of Completion:

2019

Institute of Astronomy, Geophysics and Atmospheric Sciences, 11/12/2019 10:36

School Address: Rua do Matão 1226 05508-900 São Paulo-SP

Brazil

Eduardo Rodrigues Lopes Chefe do Serviço de Graduação Substituto

Nº Funcional 5084296

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Jupiter - Academic Management System of the Office of Undergraduate Education EOFISICAE CONSOLIDATED ACADEMIC RECORD

School:

Institute of Astronomy, Geophysics and Atmospheric Sciences

Student:

Course Name: 14030 Astronomy

9318463/1 - Rodrigo Nascente Schmitt

Course #:

Entry into university: Entrance Exam - Feb/2015

Current Status:

Credits

Closed

Activity Hours

						Cuvity	Cultural Scientific		
Code	Name of discipline	In Class	Work load	Total Hours	Intern ship	Hands -On		Freq. Grad	le Result
1302111		First Semester							
	Physics I	6		90				81	7.8 A
4302113	Experimental Physics I	4		60				100	A 0.8
AGA0100	Introduction to Astronomy I	2		30				80	8.2 A
AGA0501	Physics of the Earth and the Universe	2	2	90				93	9.4 A
MAT0111	Differential and Integral Calculus I	6		90				100	10.0
MAT0112	Vectors and Geometry	4		60				90	9.4 A
1000110		econd Semeste	r						
4302112	Physics II	6		90				92	7.8 A
4302114	Experimental Physics II	4		60				94	9.5 A
AGA0101	Introduction to Astronomy II	2		30				86	9.2 A
MAT0121	Differential and Integral Calculus II	6		90				100	9,3 A
MAT0122	Linear Algebra I	4		60				100	9.1 A
	2016	First Semester							
4302211	Physics III	6		90				84	7.9 A
4302213	Experimental Physics III	4	2	120				100	9.3 A
AGA0316	Life in a Cosmic Context	4		60				100	8.5 A
AGA0502	Planets and Planetary Systems	4		60				93	9.2 A
MAC0115	Introduction to Computing for Exact Sciences and Technology	4		60				89	9.0 A
MAT0216	Differential and Integral Calculus III	6		90				90	7.4 A
	2016 S	econd Semeste	er						
4302204	Mathematical Physics I	4		60				100	7.9 A
4302212	Physics IV	6		90				95	7.7 A
4302214	Experimental Physics IV	4	2	120				95	8.0 A
MAT0220	Differential and Integral Calculus IV	4		60				100	9.5 A
	2017	First Semester							
1302311	Quantum Physics	4		60				90	8.5 A
AGA0293	Stellar Astrophysics	4		60				85	8.8 A
AGA0503	Numerical Methods in Astronomy	4		60				88	9.2 A
AGA0504	Classical Mechanics	6		90				90	A 8.8
	2017 S	econd Semeste	er						
4302401	Statistical Mechanics	4	-05	60				100	10.0
4302403	Quantum Mechanics I	4		60				100	10.0
AGA0416	Introduction to Cosmology	4		60				100	9.6 A
QFL0606	Fundamentals of Chemistry for Physics	6		90				100	6.8 A
	2018	First Semester							
	2010	or controller							

Modality: Undergraduate Exchange

School: University of Notre Dame du Lac

Country: United States

Courses Taken Abroad

Course(s): Solid Mechanics (Credits AU: 3 TR: 0)

ΑE

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Jupiter - Academic Management System of the Office of Undergraduate Educations OF SICA E CONSOLIDATED ACADEMIC RECORD

School: Institute of Astronomy, Geophysics and Atmospheric Sciences

Student: 9318463/1 - Rodrigo Nascente Schmitt

Course #: Entry into university: Entrance Exam - Feb/2015 Current Status: Closed

Course Name: 14030 Astronomy

		(Credits			Activity Hours			TASM	
Code	Name of discipline		Work load	Total Hours	Intern ship	Hands -On	Cultural Scientific Academi C	Freq. Grad	de Result	
	2018 Secon	d Semeste	г							
4300402	Introduction to Solid State Physics	4		60				100	9.0	
4302303	Eletromagnetism I	4		60				100	8.4	
AGA0296	Final Term Work I	2	2					100	10.0	
AGA0319	General Relativity and Astrophysical Applications	4	_	60				100	8.5	
AGA0505	Data Analysis in Astronomy I	2		30				100	* AE	
AGA0521	Orbital Maneuvers	2		30					* AE	
PTC3572	Discrete-Time Dynamics and Control	4		60				100	9.0	
	2019 First	Semester								
1300324	Fluid Mechanics	4		60				99	9.2	
1300463	Applied Physics	4		60				70	8.8	
1302306	Mechanics II	4		60				100	8.7	
1302313	Experimental Physics V	4	2	120				100	8.3	
AGA0298	Final Term Work II	2	2	90				100	10.0	
AGA0299	Galactic and Extragalactic Astrophysics	4		60				95	8.5	

Achieved Credits: In class: 175 Workload: 12 Total: 187 Pondered Average: 8.7

Total Credits in the Course: In class: 175 Total: 187

Total Credit Hours: 2985 h

Pondered average including failures: 8.7

Required credits: Percentage of completion of the Course: 105.0 %

Rank in entrance group: 1° of 17

Pondered Average of All Students Enrolled in the Course: 7.0

Requirement Type of Credits Obtained

Course Type	In Class	Workload
Mandatory	134	10
Optional	30	2
Free Choice	11	0

- Grades may range from zero to ten, and these numbers may be rounded to the nearest tenth (Rules and Regulations, article 83).
- The student whose final grade is five or higher, and whose attendance is seventy percent or higher, shall earn the applicable credits (Rules and Regulations,
- One 'In class' credit corresponds to 15 hours in a given semester, while one 'Workload' credit corresponds to 30 hours
- This transcript of academic records is in full, showing failures and/or interruptions of study

Key for Result:

A = Approved AE = Credit from similar course taken in another school

DI/DS = Waived MA = Enrolled

RA = Frequency and Grade Failure

RF = Frequency Failure RN = Grade Failure

T = Interruption of Study

P = Pending I = Registered

IP = Optional Course Enrollment Rejected IL = Registered in Waiting List

IT = Registered in Full Class IR = Reserve Capacity Enrollment

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Jupiter - Academic Management System of the Office of Undergraduate Education CONSOLIDATED ACADEMIC RECORD

School: 14 Institute of Astronomy, Geophysics and Atmospheric Sciences

Student: 9318463/1 - Rodrigo Nascente Schmitt

Course #: 1 Entry into university: Entrance Exam - Feb/2015 Current Status: Closed

Course Name: 14030 Astronomy

SERVIÇO DE GRADUAÇÃO JAG-USP JAG-USP

Special Waivers

University of Sao Paulo	Equivalent courses	Credits:In Class Work Total	Grade	Term
4302305 Mechanics I	Classical Mechanics	6 0	8.8	2017/1
	14 Institute of Astronomy, Geo	physics and Atmospheric Sciences		

Credits from similar courses taken in a different school

University	of Sao Paulo	Equivalent courses	Credits:In Class	Work	Total Hours	Grade	Term
AGA0505	Data Analysis in Astronomy I	Probability and Statistics		-ioau	3	A	2018/1
		Statistical Analysis for Modern Astrono	my		3	Α	2018/1
		University of Notre Dame du Lac					
AGA0521	Orbital Maneuvers	Orbital and Space Dynamics			3	Α	2018/1
		University of Notre Dame du Lac					

Notes:

Course recognized by Rules and Regulations No. 384 of 30/Sep/2015, D.O.E. of 01/Oct/2015.



República Federativa do Brasil

Vera Lúcia Falcão Rodrigues Urbano

Tradutor Público Juramentado e Intérprete Comercial JUCESP no. 1803 - Idioma: Inglês CPF n° 762.884.638-68 / INSS n° 119.501.9059-0 / IM. n° 8955

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I, Vera Lucia Falcão Rodrigues Urbano, Public and Sworn Translator, certify and acknowledge the receipt of a copy of a document issued by UNIVERSIDADE DE SÃO PAULO, written in Portuguese language, that I have translated into ENGLISH language, as follows:

Federative Republic of Brazil São Paulo University Institute of Astronomy, Geophysics and Atmospheric Science

The Dean of the São Paulo University in the used of his legal attributions confers to **RODRIGO NASCENTE SCHMITT**, Brazilian, bearer of the Identity Card no. RG 39.407.706-4 - SP, born on September 07, 1997, natural of the State of São Paulo, the Bachelor Degree in **ASTRONOMY**, obtained on the August 06, 2019, in the course program: Astronomy. The Dean grants him the present Diploma so that he may enjoy all the legal rights and privileges pertaining thereto.

São Paulo, August 30, 2019.

[SIC: illegible signature] Dean - Prof. Dr. Vahan Agopyan

[SIC: illegible signature] AGI Director - Prof. Dr. Pedro Leite da Silva Dias

[SIC: no signature] Undergraduate student: Rodrigo Nascente Schmitt

[On the back of the Page]

Program accredited in accordance with the CEE/GP Ordinance no. 384 of 09/30/2015, DOU of 10/01/2015.

São Paulo University
General Secretary - Academic Registers Dept.
Diploma registered under no. UGR058306 - Process no 2019.1.616.14.1
According to Article 48 of Law 9394/96
São Paulo, September 06, 2019.

[SIC: illegible signature]Ricardo de Oliveira Klefens – Administrative Clerk

[SIC: illegible signature] Prof. Dr. Pedro Vitoriano de Oliveira - General Secretary

General Secretary – Academic Registers Dept. The present document is authentic and was issued by São Paulo University. São Paulo, September 06, 2019.

[Official stamp] Division Director - Ariosvaldo de Bezerra de Sousa.

No. 0373891

NOTHING ELSE was written on the above-submitted document, which I return with this translation typed in one page (1,864 characters) that I have checked, found in accordance with and signed. Fee: R\$ 170.00

São Paulo, December 13, 2019.

VERA LÚCIA FALCÃO RODRIGUES URBANO

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Jupiter - Academic Management System of the Office of Undergraduate Education CONSOLIDATED ACADEMIC RECORD

School: 43 Institute of Physics

Student: 9318463/2 - Rodrigo Nascente Schmitt

Course #: 2 Entry into university: Graduate - Jul/2019 Current Status: Closed

Course Name: 43021 Bachelor degree in Physics

Personal Details Date of birth: 09/07/1997

Birthplace: São Paulo

Brazilian official ID: SP RG 39.407.706-4

Nationality: Brazilian

Entry into university : Graduate
Date of Entry : Jul/2019

Diploma Details:

Date of Graduation: 02/07/2020 **Degree:** Bachelor Degree in Physics

Diploma issued on: Year of Completion: 2019

Institute of Physics, 10/16/2020 13:30

School Address: Rua do Matão 1371 sala 3147 05508-090 São Paulo-SP Brazil

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			Credit	ts		Activity	Hours		
		In	Work	Tota	ıl Interr	n Hands	Cultural Scientific Academi		
Code	Name of discipline	Class	load	Hou			С	Freq. Grad	le Result
	2019 Second	d Semeste	r						
1300228	Statistical data processing in Experimental Physics	4			0				* AE
1300324	Fluid Mechanics	4			0				* AE
1300337	Introduction to Relativity	4			0				* AE
300402	Introduction to Solid State Physics	4			0				* AE
300430	Introduction to Cosmology Physics	4			0				* AE
300463	Applied Physics	4			0				* AE
302111	Physics I	6			0				* AE
302112	Physics II	6			0				* AE
302113	Experimental Physics I	4			0				* AE
302114	Experimental Physics II	4			0				* AE
302204	Mathematical Physics I	4		6	0				* AE
302211	Physics III	6		9	0				* AE
302212	Physics IV	6		9	0				* AE
302213	Experimental Physics III	4	2		0				* AE
302214	Experimental Physics IV	4	2	2 12	0				* AE
302303	Eletromagnetism I	4		6	0				* AE
302305	Mechanics I	4		6	0				* AE
302306	Mechanics II	4		6	0				* AE
302311	Quantum Physics	4		6	0				* AE
302313	Experimental Physics V	4	2	2 12	0				* AE
302401	Statistical Mechanics	4		6	0				* AE
302403	Quantum Mechanics I	4		6	0				* AE
AGA0100	Introduction to Astronomy I	2		3	0				* AE
AGA0101	Introduction to Astronomy II	2		3	0				* AE
GA0293	Stellar Astrophysics	4		6	0				* AE
GA0299	Galactic and Extragalactic Astrophysics	4		6	0				* AE
AGA0316	Life in a Cosmic Context	4		6	0				* AE
GA0501	Physics of the Earth and the Universe	2	2	2 9	0				* AE
GA0502	Planets and Planetary Systems	4		6	0				* AE
GA0521	Orbital Maneuvers	2		3	0				* AE
/AC0115	Introduction to Computing for Exact Sciences and Technology	4		6	0				* AE
/AP0214	Numerical Calculus with Applications to Physics	4		6	0				* AE
/AT0111	Differential and Integral Calculus I	6		9	0				* AE
/AT0112	Vectors and Geometry	4		6	0				* AE
/AT0121	Differential and Integral Calculus II	6		9	0				* AE
/AT0122	Linear Algebra I	4		6	0				* AE
//AT0216	Differential and Integral Calculus III	6		9	0				* AE
/AT0220	Differential and Integral Calculus IV	4		6	0				* AE
PTC3313	Control Systems	4		6	0			95	7.7 A
PTC3572	Discrete-Time Dynamics and Control	4		6	0				* AE
QFL0606	Fundamentals of Chemistry for Physics	6		g	0				* AE

GRAND TOTAL:

Achieved Credits: In class: 172 Workload: 8 Total: 180 Pondered Average: 7.7

Total Credits in the Course: In class: 172 Workload: 8 Total: 180

Total Credit Hours: 2820 h

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Course Name: 43021 Bachelor degree in Physics

- Grades may range from zero to ten, and these numbers may be rounded to the nearest tenth (Rules and Regulations, article 83).
- The student whose final grade is five or higher, and whose attendance is seventy percent or higher, shall earn the applicable credits (Rules and Regulations, article 84).
- One 'In class' credit corresponds to 15 hours in a given semester, while one 'Workload' credit corresponds to 30 hours.

Key for Result:

A = Approved AE = Credit from similar course taken in another school

DI/DS = Waived MA = Enrolled

RA = Frequency and Grade Failure

RF = Frequency Failure RN = Grade Failure

T = Interruption of Study

P = Pending I = Registered

IL = Registered in Waiting List IP = Optional Course Enrollment Rejected

IR = Reserve Capacity Enrollment IT = Registered in Full Class

Credits from similar courses taken in a different school

University of Sao Paulo	Equivalent courses	Credits:In Class	Work Total -load Hours	Grade	Term
4300228 Statistical data processing in Experimental Physics	Probability and Statistics	3		А	2018/1
	University of Notre Dame du Lac				
4300324 Fluid Mechanics	Fluid Mechanics	4	0	9.2	2019/1
	14 Institute of Physics				
4300337 Introduction to Relativity	General Relativity and Astrophysical Applications	4	0	8.5	2018/2
	14 Institute of Astronomy, Geophysic	s and Atmosphe	eric Sciences		
4300402 Introduction to Solid State Physics	Introduction to Solid State Physics	4	0	9.0	2018/2
	14 Institute of Physics				
4300430 Introduction to Cosmology Physics	Introduction to Cosmology	4	0	9.6	2017/2
	14 Institute of Astronomy, Geophysic	s and Atmosphe	eric Sciences		
4300463 Applied Physics	Applied Physics	4	0	8.8	2019/1
	14 Institute of Physics				
4302111 Physics I	Physics I	6	0	7.8	2015/1
	14 Institute of Physics				
4302112 Physics II	Experimental Physics II	4	0	9.5	2015/2
•	14 Institute of Physics				
4302113 Experimental Physics I	Experimental Physics I	4	0	8.0	2015/1
,	14 Institute of Physics				
4302114 Experimental Physics II	Experimental Physics II	4	0	9.5	2015/2
,	14 Institute of Physics				
4302204 Mathematical Physics I	Mathematical Physics I	4	0	7.9	2016/2
•	14 Institute of Physics				
4302211 Physics III	Physics III	6	0	7.9	2016/1
,	14 Institute of Physics	-		-	
4302212 Physics IV	Physics IV	6	0	7.7	2016/2
1.0022.12	14 Institute of Physics	· ·	·		20.0/2
4302213 Experimental Physics III	Experimental Physics III	4	2	9.3	2016/1
1.0022.10 2лроппионал пусло п	14 Institute of Physics		_	0.0	20.07.
4302214 Experimental Physics IV	Experimental Physics IV	4	2	8.0	2016/2
- COLL : Exponitional injuice in	14 Institute of Physics	•	_	J.0	_010/_
4302303 Eletromagnetism I	Eletromagnetism I	4	0	8.4	2018/2
-002000 Eletionagnetism i	14 Institute of Physics	7	J	0.7	2010/2
4302305 Mechanics I	Classical Mechanics	6	0	8.8	2017/1
4302303 WEGIAIIGS I	Ciassical Medianics	U	U	0.0	2017/1

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Course #: 2 Entry into university: Graduate - Jul/2019 Current Status: Closed

Course Name: 43021 Bachelor degree in Physics

Credits from similar courses taken in a different school

University of Sao Paulo	Equivalent courses	Credits:In Clas	Work Total -load Hours	Grade	Term				
	14 Institute of Astronomy, Geophysics and Atmospheric Sciences								
4302306 Mechanics II	Mechanics II	4	0	8.7	2019/1				
	14 Institute of Physics								
4302311 Quantum Physics	Quantum Physics	4	0	8.5	2017/1				
	14 Institute of Physics								
4302313 Experimental Physics V	Experimental Physics V	4	2	8.3	2019/1				
	14 Institute of Physics								
4302401 Statistical Mechanics	Statistical Mechanics	4	0	10.0	2017/2				
	14 Institute of Physics								
4302403 Quantum Mechanics I	Quantum Mechanics I	4	0	10.0	2017/2				
	14 Institute of Physics								
AGA0100 Introduction to Astronomy I	Introduction to Astronomy I	2	0 0	8.2	2015/1				
	14 Institute of Astronomy, Geophysics	and Atmosph	neric Sciences						
AGA0101 Introduction to Astronomy II	Introduction to Astronomy II	2	0 0	9.2	2015/2				
	14 Institute of Astronomy, Geophysics	and Atmosph	neric Sciences						
AGA0293 Stellar Astrophysics	Stellar Astrophysics	4	0	8.8	2017/1				
, ,	14 Institute of Astronomy, Geophysics and Atmospheric Sciences								
AGA0299 Galactic and Extragalactic	Calactic and Extragalactic Astrophysics	s 4	0	8.5	2019/1				
Astrophysics	Galactic and Extragalactic Astrophysics	5 4	U	0.0	2019/1				
	14 Institute of Astronomy, Geophysics	and Atmosph	neric Sciences						
AGA0316 Life in a Cosmic Context	Life in a Cosmic Context	4	0	8.5	2016/1				
	14 Institute of Astronomy, Geophysics	and Atmosph	neric Sciences						
AGA0501 Physics of the Earth and the Universe	Physics of the Earth and the Universe	2	2	9.4	2015/1				
Onliverse	14 Institute of Astronomy, Geophysics and Atmospheric Sciences								
ACADEDO Planets and Planeten, Systems	Planets and Planetary Systems	and Almospr 4	0	9.2	2016/1				
AGA0502 Planets and Planetary Systems	14 Institute of Astronomy, Geophysics	•	-	9.2	2016/1				
AGA0521 Orbital Maneuvers									
AGA0321 Orbital Marieuvers	Orbital Maneuvers 2 0 14 Institute of Astronomy, Geophysics and Atmospheric Sciences								
	Orbital Maneuvers	anu Annospi 2	0						
	43 Institute of Astronomy, Geophysics	_	-						
MAC0115 Introduction to Computing for	Introduction to Computing for Exact Sc	ioneoe	ienc Sciences						
Exact Sciences and Technology	and Technology	iences 4	0	9.0	2016/1				
	14 Institute of Mathematics and Statisti	CS							
MAP0214 Numerical Calculus with	Numerical Methods in Astronomy	4	0	9.2	2017/1				
Applications to Physics	Numerical Methods in Astronomy	4	U	9.2	2017/1				
	14 Institute of Astronomy, Geophysics								
MAT0111 Differential and Integral Calculus I	Differential and Integral Calculus I	6	0	10.0	2015/1				
	14 Institute of Mathematics and Statisti								
MAT0112 Vectors and Geometry	Vectors and Geometry	4	0	9.4	2015/1				
	14 Institute of Mathematics and Statisti	cs							
MAT0121 Differential and Integral Calculus II	Differential and Integral Calculus II	6	0	9.3	2015/2				
	14 Institute of Mathematics and Statisti								
MAT0122 Linear Algebra I	Linear Algebra I	4	0	9.1	2015/2				
	14 Institute of Mathematics and Statisti	cs							
MAT0216 Differential and Integral Calculus	Differential and Integral Calculus III	6	0	7.4	2016/1				
 	-								
MATO220 Differential and late and Calculus	14 Institute of Mathematics and Statisti	US							
MAT0220 Differential and Integral Calculus IV	Differential and Integral Calculus IV	4	0	9.5	2016/2				
	•								

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University of Sao Paulo	Equivalent courses	Credits:In Class	Work -load	Total Hours	Grade	Term	
	14 Institute of Mathematics and Statistics						
PTC3572 Discrete-Time Dynamics and Control	Discrete-Time Dynamics and Col	ntrol 4	0		9.0	2018/2	
	14 Polytechnic School						
QFL0606 Fundamentals of Chemistry for Physics	Fundamentals of Chemistry for P	hysics 6	0		6.8	2017/2	
	14 Institute of Chemistry						

Notes:



ANTONIO DARI ANTUNES ZHBANOVA

Tradutor Público e Intérprete Comercial — Certified Public Translator Idioma/Language: Inglês - Português / English - Portuguese Matrícula Jucepe/Jucepe Registration: 406 - CPF 756.770.758-68
Rua Princesa Isabel Nº 206 — Aloisio Pinto — Garanhuns (PE) CEP: 55.292-210 Telefone/Phone +55 87 99954-2519 e-mail: dari.zhbanova@gmail.com

Livro Nº Book No Página Nº 1 Page No Tradução Nº

I-126.320/20

Translation No

I, the undersigned Sworn Translator and Commercial Interpreter, hereby CERTIFY this is the description and faithful translation of a DOCUMENT written in Portuguese, which I translate as follows:

Department of Students +55 11 3091-6924 / salunosif@usp.br



CERTIFICATE

We hereby **CERTIFY**, for the due purposes, that the student **RODRIGO NASCENTE SCHMITT**, USP No. 9318463, completed the Course of **Bachelor of Physics**, in this Institute, in the second semester of two thousand and nineteen, having graduated today.

Department of Students of the Institute of Physics of the University of São Paulo, February 7, 2020.

[Illegible signature]
Kátia Cilene B. S. Nobre
Administrative Head of Service – IFUSP
Employee No.: 2333180

Rua do Matão, 1371 - Butantã - CEP 05508-090 - São Paulo (SP) - Brazil

[The document bears a stamp of the Department of Students of the Institute of Physics – USP.]

NOTHING ELSE was contained in said original, which I return with this faithful translation. In WITNESS WHEREOF, I have hereunto set my hand and seal of office, this November 23, 2020.

7º TABELIÃO

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ANTONIO DARI ANTUNES ZHBANOV

