

CIC No. 021966117-00  
JUCERJA No. 091

Av. Nilo Peçanha, 50/615  
Centro - CEP 20020-906  
Tel./fax: (021)3523-3600

**MARIANA ERIKA HEYNEMANN**

TRADUTORA PÚBLICA E INTÉRPRETE COMERCIAL JURAMENTADA

I, the undersigned, Sworn-in Public Translator and Commercial Interpreter in and for this City and State of Rio de Janeiro, Federative Republic of Brazil, duly appointed and commissioned by the Board of Trade of the State of Rio de Janeiro and registered therewith under No. 091, DO HEREBY CERTIFY AND ATTEST that a document set forth in the Portuguese language was submitted to me for translating it into English, which I hereby perform, by virtue of my Office, as follows:-----

(On letterhead of the Federal University of Rio de Janeiro) -----

----- PR - 2/SRA -----

----- OFFICIAL TRANSCRIPT -----

----- MASTER DEGREE -----

Center: Technology Center -----

Unit: Engineering Post Graduation Programs

Coordination -----

Course: Metallurgical and Materials Engineering

(Master Degree) -----

Recognition: Ordinance 2530/2002 of 9/4/2002 Union

Official Gazette 9/6/2002 -----

Knowledge Area: Metallurgical and Materials

Engineering -----

Name: GUSTAVO RABELLO DOS ANJOS -----

Father: MARÇAL OLIVEIRA DOS ANJOS -----

Mother: LÉA RABELLO -----

Place of Birth: Rio de Janeiro/Rio de Janeiro -----

Individual Taxpayer's Roll (CPF) no.: 04243258708 ---

ID card: 128478906 - IFP/RJ -----

Voter's Registration Card: 107399880310 -----



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Nationality: Native Brazilian -----

Date of Birth: September 5, 1980 -----

Date of Start: NOT INFORMED -----

Period: Full time -----

Military Certificate/Dispense: 10408614/MM/RJ -----

Registry no. 105117471 -----

Date of Completion: NOT INFORMED -----

Page 1 of 1 -----

Issuance: October 16, 2006 - 11:54am -----

Enrollment by means of College Entrance Exam in:  
2005/1 -----

Prior academic background: Mechanical Engineering -  
Rio de Janeiro State University -----

LEGEND: -----

CrR - REQUESTED CREDITS -----

CrO - OBTAINED CREDITS -----

CH - HOUR LOAD -----

SF - FINAL SITUATION -----

AP - PASSED -----

RF - FAILED FOR LOW ATTENDANCE RATE -----

RM - FAILED FOR AVERAGE GRADE -----

RFM - FAILED FOR AVERAGE FREQUENCY -----

NCC - CREDITS DO NOT MATCH -----

NCG - GRADE DOES NOT MATCH -----



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CR - EFFICIENCY COEFFICIENT -----

CONCEPTS: -----

A - 3; B - 2; C - 1; D - 0 -----

I - Incomplete -----

J - Excusable abandonment -----

T - Discipline waiver -----

X - Non-excusable abandonment -----

Period	Code	Subject Name/RCC	CrR	CH	Grade	CrO	Points	SF
2005/1	COC757	Scientific Computing - Prof. Alvaro Luiz C. de Azevedo Coutinho	3.0	40.0	A	3.0	9.0	AP
	COT757	Met. Mat. on Materials Eng. - Prof. José da Rocha Miranda Pontes	3.0	40.0	A	3.0	9.0	AP
	MAE701	Advanced Calculus I - Prof. Illegible	4.0	60.0	B	4.0	8.0	AP
								CR
		Total: In this period	10.0	140.0		10.0	26.0	2.60
		Accumulated	10.0	140.0		10.0	26.0	2.60
2005/2	COM712	Fund. of Lam. and Turb. Layer - Prof. Illegible	3.0	40.0	A	3.0	9.0	AP
	COT751	Transport Phenomenon - Prof. José da Rocha Miranda Pontes	3.0	40.0	A	3.0	9.0	AP
	CPC764	Finite Elements on Liquids I - Prof. Alvaro Luiz C. de Azevedo Coutinho	3.0	45.0	A	3.0	9.0	AP
	MAE732	Functional Analysis - Prof. Carlos Amaldo Morales Rojas	4.0	60.0	C	4.0	4.0	AP
								CR
		Total: In this period	13.0	185.0		13.0	31.0	2.38
		Accumulated	23.0	325.0		23.0	57.0	2.48
2005/3	COC893	Met. Elem. Fin. Aplic. MEC Flui. II - Prof. Alvaro Luiz C. de Azevedo Coutinho	3.0	40.0	A	3.0	9.0	AP
								CR
		Total: In this period	3.0	40.0		3.0	9.0	3.00
		Accumulated	26.0	365.0		26.0	66.0	2.54
2005/4	COT707	Masters Registration - Prof. José da Rocha Miranda Pontes	NCC	NCC	A	NCC	****	AP
								CR
		Total: In this period	0.0	0.0		0.0	0.0	****
		Accumulated	26.0	365.0		26.0	66.0	2.54
2006/1	→	Approved on CE external supervisor inclusion to COPPE						
	COT700	M. Sc. Seminar	NCC	NCC	A	NCC	****	AP
	COT772	Electrolytic Processes - Prof. Illegible	3.0	40.0	C	3.0	3.0	AP
								CR
		Total: In this period	3.0	40.0		3.0	3.0	1.00
		Accumulated	29.0	405.0		29.0	69.0	2.38
2006/2	COT708	Research P SC Masters Thesis	NCC	NCC	A	NCC	NCC	AP
								CR
		Total: In this period	0.0	0.0		0.0	0.0	****
		Accumulated	29.0	405.0		29.0	69.0	2.38

NOTE: Inclusion of "MAE701" and "MAE732" disciplines with 80 hours total

approved by CPGP - Proc.0055/06



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-----**End of Transcript**-----

This document is only valid with the UFRJ seal and signature of the official responsible for the course. -----

STAMP -----

I attest that the course attended to all provisions of Res. 06/2001 and of CNE/CES No. 1/2001. -----

(Signed by the Course Coordinator) -----

(There appears the stamp of Glória de Almeida Soares, Assistant Professor) -----

-----  
\*\*\*\*THIS WAS THE FULL TEXT of said document, the true translation whereof I ATTEST. -----

WITNESS MY HAND AND SEAL, this 14<sup>th</sup> day of November 2007, in Rio de Janeiro. -----



*Mariana E Heynemann*

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(On letterhead of UFRJ - FEDERAL UNIVERSITY OF RIO  
DE JANEIRO - Mathematics Institute) -----

(There appears UFRJ stamp) -----  
-----

I hereby declare that **Gustavo Rabello dos Anjos** has taken MAC-744 Ordinary Differential Equations discipline, 4.0 (four) credits and total hour load of 60 hours, with professor Maria José Pacífico, of the Mathematics Master Degree Course at this Institute on 2006/2, being awarded grade **B**. -----  
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Summary: Linear Systems with Constant Coefficients. General Solution. Linear Systems with Variable Coefficients. General Solution. Theorems of existence, uniqueness and continuous dependence on the initial data. Autonomous systems and vector field. Flows. Hyperbolic singularities. Grobman-Hartman Theorem. -----  
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-----Rio de Janeiro, March 16, 2007  
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(There appears the signature of Prof. Maria José  
Pacífico, IM-UFRJ) -----  
-----

\*\*\*\*THIS WAS THE FULL TEXT of said document, the  
true translation whereof I ATTEST. -----  
WITNESS MY HAND AND SEAL, this 14<sup>th</sup> day of November  
2007, in Rio de Janeiro. -----



*Mariana E. Heynemann*