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## **OPENING OF REGISTRATION FOR THE SELECTION PROCESS OF THE MASTER COURSE AND DOCTORAL RESEARCH COURSE IN NUTRITION, SPORTS AND METABOLISM SCIENCE – 1st SEMESTER/2019**

The School of Applied Science at UNICAMP, in Limeira, makes public the opening of registration for the **SELECTION PROCESS** of the Master Course and Doctoral Research Course in Nutrition, Sports and Metabolism Science.

The Graduate Program in Nutrition, Sports and Metabolism Science (CNEM) offers positions of Master of Science and PhD levels. The program emphasizes an interdisciplinary approach, critical scientific training, qualification of content and the programs seeding mission. The continued pursuit of academic excellence and commitment to the training of human resources through international level of research activity are the basic motivations of the program.

### **1) SCHEDULE OF THE SELECTION PROCESS**

- a) Application period: October 1 to November 21, 2018
- b) Call for specific test: 11.26.2018 – ONLY FOR MASTER COURSE
- c) **FIRST PHASE** (Specific Test): 12.03.2018 – ONLY FOR MASTER COURSE
- d) Call for interview: 12.10.2018
- e) **SECOND PHASE** (Interview): 12.13.2018
- f) Final Results up to 12.14.2018

Note: For foreign residents in Brazil, the test and interview will be on-site. The times and locations of the Specific Test and Interview will be posted on the FCA website. For foreign residents outside Brazil, the specific test and the interview will be held by appointment. The test will be available electronically and will last 4 hours. The interview will be scheduled by skype. If the signal is lost during the interview, the program is free to schedule or not a new interview date and time.

### **2) MANDATORY DOCUMENTATION REQUIRED FOR REGISTRATION**

Registration for participation in the selection process of the Master course or Doctoral Research Course in Nutrition, Sports and Metabolism Science should be made online at link:



<https://www1.sistemas.unicamp.br/siga/ingresso/candidato/>

The documents listed below must be sent in a sealed envelope and identified, by mail (via registered mail) or in person at the address below. The deadline for posting documentation is 11/14/2018. Incomplete documentation or dated after posting the day 11/14/2018, automatically imply rejection of the application, without recourse.

### **2.1) ADDRESS FOR SUBMISSION OF DOCUMENTS:**

UNIVERSIDADE ESTADUAL DE CAMPINAS – UNICAMP  
Faculdade de Ciências Aplicadas – FCA  
Área Acadêmica  
Rua Pedro Zaccaria, 1300 – Jardim Santa Luíza – Limeira – SP  
CEP. 13.484-350

### **2.2) DOCUMENTS REGARDING REGISTRATION:**

I- Registration form issued by the [link](#) above, printed and signed. The form will be available during the registration period.

II- Proficiency II-Proof (not required for American and British citizens) - Candidates who possess certificates of approval in English proficiency exam issued by TEAP (Test of English for Academic Purposes - [www.teap.com.br](http://www.teap.com.br)), with a minimum score of 7.0; or TOEFL: minimum score 550; or IELTS: minimum score 5.0; or CEL (UNICAMP Language Teaching Center) shall deliver the certificate at the time of enrollment in the selection process.

- Applicants who do not have the certificate may carry out the selection process, but must deliver the certificate to the delivery of the documentation for the qualifying examination.

- For American or British citizens a copy of passport (item III below) will be used to prove proficiency in English.

- American or British citizens should possess certificates of approval in Portuguese proficiency exam issued by Celpe-Bras (Test of Portuguese for Academic Purposes - <http://celpebras.inep.gov.br/inscricao/>) for the qualifying examination.

III- A copy of identification document (copy of passport);

IV- Curriculum Vitae documented (with certificates) as model release ([modelo CV](#));

V- School transcript of the higher-level course;

VI- Letter of Acceptance of researchers credentiated in PPG-CNEM as model release ([modelo carta aceite orientador](#));

VII- Copy of the Master's Degree - ONLY FOR DOCTORAL RESEARCH COURSE

VIII- Research Project (maximum 20 pages) - ONLY FOR DOCTORAL RESEARCH COURSE

IX- Residence Proof



3) For Information regarding Scholarship, please contact:  
[adriana.torsoni@fca.unicamp.br](mailto:adriana.torsoni@fca.unicamp.br) or [marciane.milanski@fca.unicamp.br](mailto:marciane.milanski@fca.unicamp.br)

#### 4) SELECTION PROCESS RULES

4.1) Only Candidates who submit complete documentation required (item 2) (eliminary character), may carry out the first phase of the selection process (Specific Test – for Master course).

4.2) First phase: SPECIFIC TEST (eliminary character) – ONLY for Master Course

-A Test will be applied and only candidates who obtain a grade equal to or greater than five ( $\geq 5.0$ ) points will be considered approved.

-The **SPECIFIC TEST** includes: a) an essay on a topic on Health aimed to assess the applicant's ability in interpreting and comparing data; b) in addition, the applicant will be evaluated by specific knowledge in Nutrition, Sports and/or Metabolism

##### 4.2.1) Recommended bibliography:

- Scientific Article recently published (2017- 2018) in journals such as Science, Nature, JAMA and Lancet.

##### - Nutrition:

Specific dietary components - Main dietary constituents and energy requirement

##### Recommended bibliography:

Shils ME, Olson JA, Shike M & Ross, AC. Tratado de nutrição moderna na saúde e na doença. 10. ed. Ed. Manole, São Paulo, 2009. Specific components of the diet - Part A. Main dietary constituents and energy requirement

##### - Metabolism:

Physiology: Membrane Potentials and Action Potentials

##### Recommended bibliography:

Guyton, A. C. Tratado de fisiologia medica. 12 ed. Elsevier, 2012.

Biochemistry: Lipid Metabolism (Oxidation and Synthesis of Fatty Acids, Triglycerides and Ketonic Bodies)

##### Recommended bibliography:



Nelson, David L. & M. Cox, Michael. Princípios de Bioquímica de Lehninger. 6.ed. Ed. Artmed, 2014

**- Sports:**

Exercise Physiology. Energy, Nutrition and Human Performance.

Exercise Metabolism

**Recommended bibliography:**

1. McARDLLE, W.D.; KATCH, F.I.; KATCH, V.C. Fisiologia do exercício. Energia, nutrição e desempenho humano, 7ed. Rio de Janeiro: Guanabara Koogan, 2011. Cap. 13, 16, 21, 22 e 23.

2. POWERS, SK e HOWLEY, E.T. Fisiologia do Exercício: Teoria e aplicação ao condicionamento e ao desempenho. – 8ed. Manole: São Paulo. 2014. Cap. Exercise Metabolism.

Note: Only applicants who pass the **FIRST PHASE** will go to the second phase of the selection process – ONLY for Master Course

**4.3) Second phase: Interview (is not eliminatory).**

- The candidates will be recruited for an interview to be conducted by program teachers/researchers who will assign grade 0.0 to 10.0 for each candidate. In the interview the members of the board will inquire the candidate about the items described in his curriculum vitae.

**4.4) Final Result**

-The candidate's approval will depend on:

a) Obtaining GRADE equal to or greater than five in the SPECIFIC TEST – ONLY FOR MASTER COURSE

b) Obtaining the FINAL AVERAGE greater than or equal to five (5.0). FINAL AVERAGE = (GRADE OF SPECIFIC TEST + GRADE OF THE INTERVIEW / 2) – ONLY FOR MASTER COURSE.

c) Obtaining the FINAL AVERAGE greater than or equal to five (5.0). FINAL AVERAGE = (GRADE OF CV ANALYSIS + GRADE OF THE INTERVIEW / 2) – ONLY FOR DOCTORAL RESEARCH COURSE.

d) Guidance availability offered by program teachers/researchers (TO OBTAIN THESE INFORMATION, PLEASE CONTACT RESEARCHERS DIRECTLY)