GRADUATE PROGRAM IN AGRICULTURAL ENGINEERING
SCHOOL OF AGRICULTURAL ENGINEERING - FEAGRI

Selection Process for Master and Doctorate Courses Admission 2nd Semester 2023

NOTICE No. 01/2023

This notice was approved by the Graduate Committee on 02/16/2023

PRELIMINARY PROVISIONS

The selection process, which enrollments are opened by this notice, aims to fill the existing available vacancies for the master and doctorate courses of the graduate program (PPG) of the School of Agricultural Engineering - FEAGRI, of the University of Campinas - UNICAMP, for admissions in the 2nd semester of 2023.

For information on agricultural engineering graduate program, such as concentration areas (CA), research lines (RL), school and curriculum structure, please visit: https://www.feagri.unicamp.br/portal/pos-graduacao.

1) VACANCIES

The available vacancies may be filled by candidates approved in the selection process whose research lines are compatible to ones available at FEAGRI. The acceptance of professors participating of the selection process is also necessary.

See the Vacancies Table – Attachment II.

2) SCHOLARSHIPS

Approval in the selection process does not guarantee scholarship. Applicants must express interest in a scholarship during the interview stage. It is not mandatory to PPG grants scholarships. Those interested in applying for scholarship will be classified according to curriculum score and will compete with regular PPG students. Scholarships will be awarded according to availability. Internal rules for awarding scholarships is accessed through the link: https://www.feagri.unicamp.br/portal/guia-do-pos-graduando/bolsa-de-estudo.

3) APPLICATION

PRIMARILY, we strongly recommend the candidate make a prior contact with the desired advisor in order to consult him/her about his/her vacancies availability for new students advisory. According to the professor response, the candidate may start the registration for the selection process.

3.1) The applicant must fill:

3.1.1) *Online registration form, available on the Academic Board (DAC) website: https://sistemas.dac.unicamp.br/siga/ingresso/candidato/efetuar_login_candidato.xhtml?cod
**e=1497038006922** (option “inscrição em cursos na Pós-Graduação)

3.1.2) *FEAGRI graduate program form, on the FEAGRI website, through the addresses:

https://www.feagri.unicamp.br/intranet/#/posgraduacao/processoseletivo/mestradonovo

for master program, and

https://www.feagri.unicamp.br/intranet/#/posgraduacao/processoseletivo/doutoradonovo

for doctorate program.

Along with this form, the documents requested in item 3.2 of this notice must be submitted.

On the FEAGRI page, the application must be completed in full and submitted at the same time.

It is the candidate's full responsibility to send the files correctly for the FEAGRI system. The candidate must take note of the format of the file names, as directed below. If it is not inserted in the system as oriented, it will make impossible for us to evaluate the documents. This will imply the cancellation of your registration or impair the score of your resume.

**ATTENTION TO THE GUIDELINES ON NAMES OF THE FILES TO BE INSERTED IN THE FEAGRI SYSTEM:**

- File name without accent and words linked by underline sign "_", example: certificate_married.pdf ou certificate_birth.pdf;

- We recommend the storage of all necessary files in a single folder on your computer in order to facilitate the future searching. In some fields more than one file may be selected.

*The FEAGRI registration system, after completing the forms and uploading the documents, will provide a protocol number to confirm the sending of the requested documents.*

**REGISTRATION ACCEPTANCE:**

Registration will be accepted upon compliance with the requirements and delivery of all documentation within the registration period established by this notice. Both, the information provided at the time of registration, and the upload of the requested documents are the sole responsibility of the applicant. The PPG does not take any responsibility in relation to non-confirmation of the registration submission or errors in files inserted in the system.

Master’s students which have already taken the qualification exam may apply for doctorate program upon declaration signed by the advisor and graduate program coordinator stating the probable date of the thesis defense.

3.2) Below, follows the list of documents that must be submitted for master and doctorate selection processes:

3.2.1) *DAC registration form duly signed.*
3.2.2) *Letter of intent: In this document the candidate must demonstrate how his/her academic education and experience is appropriate to FEAGRI PPG, and how this will help him/her in the project development linked to the Research Lines of the intended advisor indicated in the registration; in addition, you should talk about the objectives you want to achieve and what are the reasons why you want to attend graduate program at FEAGRI.

3.2.3) *Research Plan: For selection purposes, the candidate must write a project linked to one of the research lines of the desired advisor, which will be evaluated by the judging committee. This project does not necessarily need to be the one will be developed after approval. The text must contain the following items: title, summary, introduction, material and methods, expected results, execution schedule and bibliographic references. The file must be configured in Times New Roman or Arial font, size 10, spacing 1.0, and contain between 5 and 10 pages.

3.2.3) *Diploma or certificate of completion of undergraduate courses (for master candidates) and postgraduate courses (for doctoral candidates). If you do not already have the master certificate but have already carried out your dissertation defense, forward the declaration of approval of the educational institution to which you obtained your master's degree. In cases where dissertation defense will still be carried out, forward the official document of the educational institution stating the date of the defense's appointment. IMPORTANT! at the time of registration, it will be necessary to present the master's Diploma, or declaration of the educational institution with the information of approval of the defense.

3.2.4) *Resume Lattes: the candidate must upload his/her Resume Lattes updated, in pdf (full curriculum), in addition to inserting the link in the indicated field. Please access CNPq (Brazilian Research Council) in www.cnpq.br and look for Platform Lattes. IMPORTANT! all the items mentioned in the Lattes must be linked to their respective supporting document. The fields on the registration form for inclusion of the documentation are divided into the following categories:

**Education:**
- Graduation and master's school history, the latter when applicable, including any disapproval and registration locks.
- Certificates of improvement courses (>180 hours)
- Certificates of specialization courses (>360 hours)
- Extension course certificates (>30 hours)
- School history of subjects attended as a special student in graduate program
- Participation in events as a listener (workshops, seminars, and congresses)
- Participation with paper presentation - oral or poster
- Participation in event organization committee (workshops, seminars, and Congresses)
- Participation in events as a listener (workshops, seminars, and Congresses)

**Experience in Research and Teaching:**
- Certificate or proof of participation in teaching internship programs or equivalent modality
- Proof of teaching experience as employment, highlighting the number of semesters taught
- Advise or co-advice of scientific initiation or/ and final undergraduate work
- Scientific initiation
- Internships in teaching
- Internships in laboratories for more than three months
- Researcher or similar position in research and development laboratory, extension activities in cooperatives, associations or governmental organizations
- Orientation or co-orientation of scientific initiation and undergraduation final work
- Participation in judgement commission of of undergraduate course final work.
- Evaluation of papers in scientific events

**Scientific and Academic Production:**
- Articles published in event annals (full text)
- Articles published in journals (first page) or accepted for publication (proof of acceptance)
- Books

**Technical Production:**
- Patents and/or software

**Extracurricular:**
- Professional, academic and/or scientific awards
- Student representation in the academic field

3.3. Personal Documents:
- *Identity document (RG) for Brazilian candidates
- *RNE or passport for foreign applicants
*All documents listed above are mandatory.

*After the registration period the system will be closed, and face-to-face registrations will not be accepted.*

4) PROGRAM ADMISSION:

For admission as a regular student at master level, the candidate must present as a minimum requirement, a higher education diploma. For PhD level, evidentiary document of master’s degree. In the case of Brazilian universities, the diploma should be recognized by MEC.

Only selected students who, on the date of enrollment, have already obtained the title of master may be enrolled in the doctorate program.

5) ANALYSIS AND JUDGMENT

It will be up to the FEAGRI graduate committee, the desired advisor and the evaluating committee to analyze, judge and classify candidates. The evaluation committees of each concentration area shall consist of three professors working in the area.

5.1) The selection of candidates will follow these eliminatory steps:

5.1.1) Analysis of curriculum and school records by CPG: eliminatory phase (minimum score 5.0) – weight 2
The school records and curriculum scoring criteria of the candidates for master's and doctoral courses are available in attachments I and II.

5.1.2) Evaluation of the candidate's profile and the research plan carried out by the evaluating committee and intended advisor: eliminatory phase (minimum score 5.0) - weight 1

Evaluation Criteria

I - Evaluation of the candidate's profile, letter of intent and curriculum history
Adequacy of the candidate's training and experience to the PPG concentration areas and the advisor's lines of research
Objectives and reasons of the candidate to attend the PPG FEAGRI
Evaluation of the candidate's profile by the advisor

II - School Records Assessment
Evaluation of academic performance during the undergraduate and master's degree course
Performance in disciplines related to the research line pleaded by the candidate
Average Income Coefficient in undergraduate and graduate studies (for doctoral candidates)

III - Evaluation of the Research Plan
Adequacy of the theme to the RL of the advisor and CA of the PPG
Connection between title and introduction, as well as references used
Clarity of objectives and hypotheses
Clarity of methodology
Consistency of Expected Results and Schedule

Result/Note = (Mean (I)*2 + Average (II) + Average III*2)/5

5.1.3) Interview. Candidates will be interviewed by the members of the Evaluating Committee and the desired advisor. Eliminatory Stage (minimum score 5.0) - weight 1.

5.1) Candidates who score less than 5.0 (five) in any of the evaluations (Eliminatory Phase) will be eliminated of the selection process. CPG will be responsible for scheduling the date for the interview and the call in the period established in the Notice. At the discretion of the Evaluating Committee, interviews may take place remotely or in person.

5.2) The interviews will be conducted by the Evaluation Committees in each Concentration Area indicated by the CPG. In the interview will be evaluated the potential and interest of the candidates, as well as their technical knowledge and the theoretical basis for the development of the course.

6) APPROVAL

6.1) The candidate will be deemed approved upon approval in the three stages of the selection process. For a vacancy tiebreaker, your final classification will be considered (weighted average of grades in the three stages), respecting the number of vacancies available by the advisor indicated in the candidate's registration.
6.2) If the teacher offers fewer vacancies than the number of approved, the tiebreaker will be the highest average among the candidates, following the score rating of the curriculum. If the first candidates do not register, the next entry will be invited to the registration.

6.3) The approved candidate must register on 13 to 07/17/2023 or in the period of supplementary enrollment on 07/31/2023, according to the UNICAMP Graduate School Calendar.

6.4) There is no obligation on the part of the PPG, with the total filling of vacancies or granting of scholarships.

6.5) The candidate who is approved and not classified for the positions of the desired advisor may be appointed by the evaluating committee to fill remaining vacancies of another professor in the same concentration area, provided that there is consensus between the candidate and the professor indicated.

7) RESULT OF THE SELECTION PROCESS

The result of the selection process will be presented by the CPG, respecting the proposed schedule. The list of approved will be published on the FEAGRI website and official communication by e-mail DAC, following the order of classification of candidates.

8) APPEAL

If the candidate has justification to contest the result of the Selection Process, he/she may file an appeal addressed to CPG/FEAGRI, through the e-mail address: cpg@feagri.unicamp.br, within one (1) workday counted from the date of publication of the result on the FEAGRI website.

9) GENERAL PROVISIONS

9.1 During the Selection Process, any communication with CPG - Graduate Commission, should be done by e-mail (cpg@feagri.unicamp.br).

10) CANCELLATION OF THE NOTICE

The candidate signature in the Registration Form presupposes his acceptance of the Terms of this Notice, as well as the fulfillment of the conditions required for participation in the Selection Process. The applicant who does not do so until the first working day prior to the deadline set for the closing of registrations, shall be debased on the right to cancel the terms of this notice.

11) REVOCATION OR CANCELLATION OF THE NOTICE

At any time, this notice may be revoked or annulled, in whole or in part, either by unilateral decision of the graduate committee of FEAGRI, or for reasons of public interest or legal requirement, in a reasoned decision, without this implying the right to indemnification or
claim of any kind. Omitted cases and situations not provided for in this Notice will be analyzed and judged by the Graduate Commission of FEAGRI.
Annex I

Calendar

<table>
<thead>
<tr>
<th>Data</th>
<th>Atividade</th>
</tr>
</thead>
<tbody>
<tr>
<td>04/17 to 05/28/2023</td>
<td>Registration Period</td>
</tr>
<tr>
<td>Until 06/05/2023</td>
<td>Dissemination of the results of the Curriculum and History(s) School(s) Stage on the FEAGRI website - Knockout Phase.</td>
</tr>
<tr>
<td>Until 06/13/2023</td>
<td>Dissemination of the profile analysis stage and research plan - Knockout Phase and disclosure of the dates and times of the interviews</td>
</tr>
<tr>
<td>13 to 06/14/2023</td>
<td>Deadline for candidates to confirm the scheduling of interviews</td>
</tr>
<tr>
<td>15 to 06/20/2023</td>
<td>Interview period</td>
</tr>
<tr>
<td>Until 06/26/2023</td>
<td>Dissemination of the results of the interviews</td>
</tr>
<tr>
<td>13 a 07/17/2023</td>
<td>Enrollment Period</td>
</tr>
<tr>
<td>07/31/23</td>
<td>Supplementary Registration</td>
</tr>
</tbody>
</table>
## Annex II

Table of vacancies

### Masters

<table>
<thead>
<tr>
<th>Area</th>
<th>Teacher</th>
<th>Vacancies</th>
<th>Candidate Profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Agriculture</td>
<td>Stanley Robson de Medeiros Oliveira</td>
<td>1</td>
<td>Students with an interest in models, data management, algorithms and/or digital solutions applied to agriculture. It is desirable that the student has fluency in the English language and knowledge of some computational tool for data manipulation (R or Python).</td>
</tr>
<tr>
<td>Digital Agriculture</td>
<td>Barbara Teruel</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Water and soil</td>
<td>José Teixeira Filho</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Water and Soil (Sanitation)</td>
<td>Ariovaldo José da Silva</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Irrigation Engineering</td>
<td>Antonio Pires de Camargo</td>
<td>1</td>
<td>Interest and affinity to research topics related to irrigation engineering.</td>
</tr>
<tr>
<td>Studies of the physical environment and agricultural areas using geotechnologies, remote sensing, and proximal sensing of soils and plants</td>
<td>Rubens Lamparelli</td>
<td>1</td>
<td>Training areas: Agricultural Engineering, Agronomics and Cartographic Sciences with notions of English and Computer Language</td>
</tr>
<tr>
<td>Logistics and Agroindustrial Commercialization</td>
<td>Andréa Leda Ramos de Oliveira</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Soil management and conservation</td>
<td>Zigomar Menezes de Souza</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>
Production of biofuels by biomass processing

<table>
<thead>
<tr>
<th>Interest in working in the area of biofuels, with emphasis on the production of biogas and pyrolysis products. Project financed with multinational industry in the gas, oil and biofuels sector. Willingness to work collaboratively in a productive, competitive and multidisciplinary group. Desirable experience in process engineering and biotechnology. Ability and willingness for learning and group work.</th>
</tr>
</thead>
</table>

Post-Harvest Technology

| 1 |

Sustainable Precision Animal Science

| 1 |

Doctorate

<table>
<thead>
<tr>
<th>Area</th>
<th>Teacher</th>
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<th>Candidate Profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precision Agriculture</td>
<td>Lucas Rios do Amaral</td>
<td>1</td>
<td>Degree in agronomy or agricultural engineering. The candidate should have scientific experience in precision agriculture and digital soil mapping. Ability to work with GIS software and programming in R or Python are desirable. Knowledge about remote sensing, geostatistics, pedology and management zones will be considered differential. The candidate must have skill with scientific writing, ability to work in teams, willingness to field work and possess driver's license B or higher.</td>
</tr>
<tr>
<td>Digital Agriculture</td>
<td>Barbara Teruel</td>
<td>2</td>
<td></td>
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<td>Water and Soil</td>
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<td>Ariovaldo José da Silva</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Rural Buildings and Environment</td>
<td>Thais Queiroz Zorzeto Cesar</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Irrigation engineering</td>
<td>Antonio Pires de Camargo</td>
<td>1</td>
<td>Interest and affinity to research topics related to irrigation engineering.</td>
</tr>
<tr>
<td>Non-Destructive Testing Applied to Materials, Structures and Trees</td>
<td>Raquel Gonçalves</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>---</td>
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<td>---</td>
<td></td>
</tr>
<tr>
<td>Studies of the physical environment and agricultural areas using geotechnologies, remote sensing, and proximal sensing of soils and plants</td>
<td>Rubens Lamparelli</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Training with advanced notions of GIS and SR and programming.</td>
<td></td>
</tr>
<tr>
<td>Studies of the physical environment and agricultural areas using geotechnologies, remote sensing, and proximal sensing of soils and plants</td>
<td>Rubens Lamparelli</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Knowledge in GIS and SR and programming language</td>
<td></td>
</tr>
<tr>
<td>Systems management in agriculture and rural development</td>
<td>Marco Tulio Ospina Patino</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Logistics and Agroindustrial Commercialization</td>
<td>Andréa Leda Ramos de Oliveira</td>
<td>4</td>
<td></td>
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<tr>
<td>Soil management and conservation</td>
<td>Zigomar Menezes de Souza</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>agricultural machinery</td>
<td>Daniel Albiero</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Knowledge in mechatronics, programming and artificial intelligence</td>
<td></td>
</tr>
<tr>
<td>Production of biofuels by biomass processing</td>
<td>Gustavo Mockaitis</td>
<td>1</td>
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<td>Sustainable Precision Animal Science</td>
<td>Daniella Jorge de Moura</td>
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