

MINISTRY OF EDUCATION
UNIVERSIDADE FEDERAL RURAL DE PERNAMBUCO
GRADUATE PROGRAM IN PHYTOPATHOLOGY
Recife, Pernambuco State, Brazil

**COMPLEMENTARY RULES OF GRADUATE PROGRAM IN
PHYTOPATHOLOGY (GPP) OF UNIVERSIDADE FEDERAL RURAL DE
PERNAMBUCO - 2018. 1**

1 - POSITIONS

The Graduate Program in Phytopathology (GPP) of the UNIVERSIDADE FEDERAL RURAL DE PERNAMBUCO (UFRPE) will offer the following number of positions in the first semester of 2018:

1.1. General positions:

- Master's degree: 04 (four)
- Doctorate degree: 05 (five)

1.2. Positions for the UFRPE employees:

- Master's degree: 01 (one) vacancy
- Doctorate degree: 01 (one) vacancy

1. 3. Positions for foreign applicants (via The Organization of American States - OAS):

- Master's degree: 01 (one) vacancy
- Doctorate degree: 01 (one) vacancy

2 - ENROLLMENT

2.1. For the Master's and Doctorate Degree it is required an undergraduate degree in Agronomy, Forest Engineering, Agricultural and Environmental Engineering or Bachelor of Biological Sciences. For the Doctorate Degree it is required a Masters in Plant Pathology or related areas, with a dissertation in the field of Plant Pathology, all carried out in institutions recognized by CAPES.

2.2. Entries can be performed according to the UFRPE Graduate Programs *Stricto Sensu* Selection Process 2018. 1, available at the website [http:// www.editais.prppg.ufrpe.br](http://www.editais.prppg.ufrpe.br).

2.3. Upon registration, the candidate for the position of master and doctorate shall indicate one of the following lines of research:

- a) Biology, ecology and taxonomy of plant pathogens
- b) Epidemiology and management of plant diseases

2.4. Upon registration, the candidate for the position of master and doctorate must indicate a concentration of the following areas:

- a) Plant Disease Control
- b) Plant Disease Epidemiology
- c) Plant Bacteriology
- d) Plant Nematology
- e) Phytovirology
- f) Mycology

- g) Post-harvest pathology
- h) Plant disease resistance

3 - DOCUMENT FOR THE APPLICATION

3.1. According to the UFRPE Graduate Programs *Stricto Sensu* Selection Process 2018. 1 (<http://www.editais.prppg.ufrpe.br>);

3.2. **There** is no requirement for a **research project**.

3.3. The candidate must send all the fulfilled information File attached online.

4 - SELECTION PROCESS

The selection process will cover two stages, specified below:

4.1. STEP A: A written exam on plant pathology, weighing 60% (sixty percent) of the total weight of the selection process.

4.1.1. The test for the Master's degree entry will consist of 30 (thirty) multiple choice questions, while for the Doctorate 50 (fifty) multiple choice questions.

4.1.2. The exam will address the following issues: a) Concept and importance of plant diseases; b) Etiology and classification of pathogens; c) Symptomatology of plant diseases; d) Classification of plant diseases; (e) fungi as plant diseases agents; f) Bacteria as plant diseases agents; g) Viruses as plant diseases agents; h) nematodes as plant disease agents; (i) abiotic diseases; j) variability of pathogenic agents; k) Physiology of parasitism; l) Cycle of pathogen-host relationships; m) Epidemiology of plant diseases; n) The genetics of host pathogen interactions; o) General principles of control of plant diseases; p) Genetic control of plant diseases; q) Physical control of plant diseases; r) Cultural control of plant diseases; s) Biological control of plant diseases; t) Chemical control of plant diseases.

4.1.3. The recommended bibliography for the exam is listed below:

- Agrios, G.N. Plant pathology. 5. ed. San Diego: Elsevier Academic Press, 2005. 952p. - Amorim, L.; Rezende, J.A.M.; Bergamin Filho, A. (Eds.). Manual de fitopatologia: princípios e conceitos. 4. ed. São Paulo: Ceres, 2011. v.1, 704p. - Trigiano, R.N.; Windham, M.T.; Windham, A.S. (Eds.). Fitopatologia: conceitos e exercícios de laboratório. 2. ed. Porto Alegre: ArtMed, 2010. 575p. - Zambolim, L.; Jesus Júnior, W.C.; Pereira, O.L. (Eds.). O essencial da Fitopatologia: agentes causais. Viçosa: Universidade Federal de Viçosa, 2012. v.1, 364p. - Zambolim, L.; Jesus Júnior, W.C.; Pereira, O.L. (Eds.). O essencial da Fitopatologia: agentes causais. Viçosa: Universidade Federal de Viçosa, 2012. v.2, 417p. - Zambolim, L.; Jesus Júnior, W.C.; Rodrigues, F.A. (Eds.). O essencial da Fitopatologia: controle de doenças de plantas. Viçosa: Universidade Federal de Viçosa, 2014. 576p.

4.1.4. The exam can be carried out in the following states (cities) of Brazil: Acre (Rio Branco), Amazonas (Manaus), Pará (Belém), Maranhão (São Luís), Piauí (Teresina), Ceará (Recife, Garanhuns, Serra Talhada), Alagoas (Maceió, Arapiraca), Sergipe (Aracaju), Bahia (Cruz das Almas, Ilheus, Juazeiro, Vitória da Conquista) (Brazil), Distrito Federal (Brasília), Goiás (Goiânia), Tocantins (Gurupi), Mato Grosso (Cuiabá), Mato Grosso do Sul (Dourados), Minas Gerais (Janaúba, Lavras, Uberlândia, Viçosa) (Paraná, Curitiba, Londrina, Maringá, Ponta Grossa), Santa Catarina (Florianópolis, Lages) and Rio Grande do Sul (Passo Fundo, Pelotas, Porto Alegre and Santa Maria).

4.1.5. The candidate will be informed by e-mail about the institution and the person responsible for supervising the event in the city of his choice.

4.1.6. The exam will have a maximum length of 02 (two) hours and will be applied simultaneously to all candidates.

4.1.7. It is forbidden to consult any bibliographic material and the use of communication devices during the exam.

4.1.8. The identification of the candidate on the exam response sheet should be made only by the CPF number.

4.1.9. Proof of knowledge of Plant Pathology have eliminatory character, with a minimum grade of 4.0 (four point zero).

4.2. Step B: Analysis of curriculum vitae and Academic Record weighting 20% (twenty percent) of the total weight of the selection process for the curriculum vitae and 20% (twenty percent) of the total weight of the selection process for Academic Record.

4.2.1 - Curriculum vitae evaluation

4.2.1.1 - In the assessment of the Curriculum Vitae, only the activities carried out in the last five (5) years will be considered.

4.2.1.2 - In the evaluation of the curriculum vitae for candidates for the Master's Degree, the following scoring table will be used, with criteria and weights defined within the constant activities:

a) Work experience

ACTIVITY	MAXIMUM SCORE
Undergraduate professor in the area of Plant Pathology (2 points per academic year)	10.0
Professional in Plant Pathology area (researcher, fiscal, expert, etc.) (1.5 points per year of service)	7.5
Teaching assistant/ research assistant in the area of Plant Pathology (0.5points per semester)	2.5
TOTAL (maximum)	20.0

b) Research Activities

ACTIVITY	MAXIMUM SCORE
Voluntary intern in Plant Pathology area, minimum 120 hours (120 points per 0.5 h)	3.0
Voluntary intern in Microbiology area, minimum 120 hours (120 points per 0.5 h)	1.0
Research Fellowship in Plant Pathology area (1 point per semester)	8.0
Research Fellowship in Microbiology (0.5 point per semester)	4.0
Fellowship or similar scholarship in Plant Pathology area (DTI etc.) (1 point per half)	8.0
Fellowship or similar scholarship in Microbiology area (DTI etc.) (0.5 points per semester)	4.0
TOTAL (MAXIMUM)	28.0

c) Academic Production

ACTIVITY	MAXIMUM SCORE
Presentation of abstracts of Plant Pathology in local / regional scientific	1.0

events (0.2 points per summary)	
Presentation of abstracts of Plant Pathology in national scientific events (0.3 points per summary)	1.5
Presentation of abstracts on Plant Pathology in international scientific events (0.5 points per abstract)	2.5
Publication of scientific papers on Plant Pathology in national journals included in the Qualis / CAPES (3 points for work, being 100% for first author and 50% for co-authors)	15.0
Publication of scientific papers on Plant Pathology in international journals included in the Qualis / CAPES (4 points for work, being 100% for first author and 50% for co-authors)	20.0
Publication of scientific papers on Plant Pathology in national / international journals not included in the Qualis / CAPES (1 point for work)	5.0
Publication of book chapters on Plant Pathology (1 point per chapter)	5.0
TOTAL (MAXIMUM)	50.0

d) Extension Activities

ACTIVITY	MAXIMUM SCORE
Participation in congresses and symposia on Plant Pathology without presentation of papers (0.2 points per event)	2.0
Participation as a student in workshop on plant pathology, with at least 12 hours long (1 point for mini-course)	4.0
Speaker at scientific congress or workshop professor (0.4 per activity)	2.0
Participation in boarders (1 point for participation)	4.0
TOTAL (MAXIMUM)	12.0

4.2.1.3 - In the *Curriculum vitae* evaluation for Doctorate degree, it will be used the score table with criteria and weights defined within the constant activities:

ACTIVITY	MAXIMUM SCORE
Master Degree in Plant Pathology	20.0
Master Degree in related fields, with a dissertation in the field of Plant Pathology	8.0
TOTAL (maximum)	28.0

b) Experience Professional

ACTIVITY	MAXIMUM SCORE
Undergraduate professor on Plant Pathology area (2 points per academic year)	10.0
Professional in Plant Pathology area (researcher, fiscal, expert, etc.) (1.5 points per year of service)	7.5
TOTAL (maximum)	17.5

c) Activity Research

ACTIVITY	MAXIMUM SCORE
Voluntary intern In Plant Pathology area, minimum 120 hours (120 dots per 0.5 h)	3.0
Voluntary intern in Microbiology area, minimum 120 hours (120 dots per 0.5 h)	1.0

Scientific Initiation Fellowship in Plant Pathology area (1 point per semester)	4.0
Research Fellowship in Microbiology area (0.5 point per semester)	2.0
Fellowship research or extension at Master level in Plant Pathology area (DTI,etc.) (2 points per semester)	6.0
Fellowship or similar scholarship in Plant Pathology area (DTI etc.) (1 point per semester)	4.0
Fellowship or similar scholarship in Microbiology area (DTI etc.) (0.5 points per semester)	2.0
Students advisory to undergrad intern (minimum 120 hours) and / or undergrad monographs advisory (1 point per student)	4.0
TOTAL (MAXIMUM)	26.0

d) Academic Production

ACTIVITY	MAXIMUM SCORE
Presentation of abstracts of Plant Pathology in local / regional scientific events (0.2 points per summary)	1.0
Presentation of abstracts on Plant Pathology at national scientific events (0.3 points per summary)	1.5
Presentation of abstracts on Plant Pathology in international scientific events (0.5 points per abstract)	2.5
Publication of scientific papers on Plant Pathology in national journals included in the Qualis / CAPES (3 points for work, and 100% for first author and 50% for co-authors)	15.0
Publication of scientific papers on Plant Pathology in international journals included in the Qualis / CAPES (4 points for work, being 100% for first author and 50% for co-authors)	20.0
Publication of scientific papers on Plant Pathology in national / international journals not included in the Qualis / CAPES (1 point for work)	5.0
Publication of book chapters on Plant Pathology (1 point per chapter)	5.0
TOTAL (MAXIMUM)	50.0

e) Extension Activities

ACTIVITY	MAXIMUM SCORE
Participation in congresses and/or symposia on Plant Pathology area without presentation of papers (0.2 points per event)	2.0
Participation as a student in workshops on plant pathology, with at least 12 hours long (1 point for mini-course)	4.0
Speaker at congress or workshop professor (0.4 per activity)	2.0
Participation in assessment committee (1 point for participation)	4.0
TOTAL (MAXIMUM)	12.0

4.2.2 – Academic Record Evaluation

4.2.2.1 – The following topics will be considered during the evaluation of the Academic Record of the candidate for the Master's Degree:

- Number of Plant Pathology courses
- Average grade in Plant Pathology courses

4.2.2.2 - In the evaluation of the Academic Record for Doctorate candidate, the academic performance during the Master's course will be considered:

- General average grade of the courses
- Average grade in Plant Pathology courses

4.3 - The result of the selection process will be expressed by the sum of the scores obtained in the written exam (60%), the Curriculum vitae (20%) and academic record (20%)

4.4 - Eventual ties will be resolved, successively, by the highest grade in academic production and research activity.

4.5 - The final result will be published in the Notice Board of the Program and will be communicated by e-mail to the candidates.

4.6 - The results of the selection process may be appealed, to be invalidated or recounted, when duly reasoned, to the Teaching Coordination Board of the Program, within three (3) days after disclosure.

5 - SCHEDULE OF SELECTION PROCESS

The selection process will follow the following schedule:

STAGES OF THE SELECTIVE PROCESS	DATES
Application	02 - 30/10/2017
Approval of entries to send the e-mail candidates	13/11/2017
Appeal on registration approval	14 The 17/11/2017
Knowledge exam	11/23/2017
Result of written exam	28/11/2017
Appeal on written exam result	29/11 to 01/ 12/2017
<i>Curriculum vitae</i> evaluation	06 to 08/12/2017
Final result	11/12/2017
Appeal on final result	12 to 5/12/2017
Registration	07 to 09/03/2018
Beginning of classes	12/03/2018

6 – FILLING POSITIONS

6.1. The positions available in the Master's and Doctorate Graduate Program in Plant Pathology will be filled by candidates ranked in descending order of score.

6.2 - Candidates classified beyond the number of offered positions will be put on a standby list and can be called in the following cases: withdrawal of approved candidates and/or addition fellowships availability.

7 - GENERAL PROVISIONS

7. 1. The completion of the registration implies in unrestricted submission of the candidate to this announcement.

7.2. The Committee of Selection and Admission of the Graduate Program in Plant Pathology decide on omissions point of this announcement.

Recife, October 2nd, 2017.

Selection Committee of the Graduate Program in Phytopathology
Universidade Federal Rural de Pernambuco