

# Thesis Guidelines

FOR

*POST GRADUATE STUDIES*



**Acharya Narendra Deva University of Agriculture & Technology**  
**Kumarganj, Ayodhya (U.P.) – 224 229, India**

*A Policy Document*

# **GUIDELINES**

**FOR**

**PREPARATION AND SUBMISSION OF THESIS**

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**Published By:**  
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Registrar



**Acharya Narendra Deva University of Agriculture & Technology**  
**Kumarganj, Ayodhya (U.P.) – 224 229, India**



## GUIDELINES FOR PREPARATION AND SUBMISSION OF THE THESIS

In supersession of its previous guidelines for the preparation and submission of thesis, the following guidelines should be followed.

### 1. Paper and Typing

Each thesis should be typed on white bond paper measuring 22 cm x 28 cm (A4 size). Margin of at least 3.5 cm on left side, 2.0 cm on right side, 3.0 cm on the top and 2.5 cm on the bottom should be kept. Font Times New Roman and font size of 12 should be used. Typing should be done in one and half space on both sides of the sheet. The entire thesis should be typed on the same computer (letter quality or laser printer) and Photostat copies in required number can be prepared. Errors in typing should be avoided. Spell checker should be used for corrections prior to final printing. Simple error in typing may be corrected using black India ink. Cutting is not permitted. In case of more serious errors or errors exceeding 4, the sheet will have to be retyped. Not more than 10 corrections in the whole thesis would be permitted. No word should remain incomplete and be carried over to the next page.

### 2. Illustrations and Photographs

The illustrations and photographs should be included in the thesis text at the appropriate places.

### 3. Structure of the Thesis

#### 3.1 Title Page

The title page (not to be confused with the top cover carrying the title) should give the following details.

(a) The title of the thesis near the top and centered

(b) The following should be typed below the title:

**Thesis**

**Submitted to the**



**Acharya Narendra Deva University of Agriculture & Technology**

**Ayodhya – 224 229, Uttar Pradesh, India**

(c) Still below, the following should be given:-

**By**

(name of the student)

(d) Below this, the following should be typed



IN PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF

.....

(mention approved degree title)

1. Paper and Typing

(e) At the bottom, the month and year of submission of the thesis should be given.

All the above should be properly centered and spaced (see Specimen 1)

3.2 Certificates

Each thesis will have two certificates from advisor and advisory committee one each (see Specimens 2 and 3)

The University emblem will not be shown on the background of any certificate/ page.

3.3 Acknowledgement

A short acknowledgement, signed with date and place by the student, should be next to the certificates of advisor and advisory committee. Efforts and contribution of all concerned may be acknowledged. However, it should not be too lengthy and should avoid unnecessary thanks giving. Financial assistance received by the student from any financing institute/agency should be duly acknowledged.

3.4 Table of Contents

The table of contents should give the chapter headings and also the sub-titles, if any, with appropriate page references, and should be placed next to the certificate sheets. This should be followed as applicable by:

- (a) List of Tables
- (b) List of Figures
- (c) List of Plates
- (d) List of Nomenclatures/Symbols

Format for (a), (b) and (c) is

Table No.	Title	Page
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and for (d)

abbreviation.....



### **3.5 The thesis should generally consist of the following chapters:**

1. Introduction
2. Review of Literature
3. Materials and Methods
4. Results and Discussion
5. Summary and Conclusions

Literature Cited

Appendices

A brief statement giving the bio-data of the student

Abstract in English and Hindi

Note: Literature cited will not be mentioned as a chapter.

Each of the above main chapters can have sub-titles. However, all chapter-headings and sub-headings should be listed, wherever necessary, in the table of contents and appropriate page references be given. This should be followed by the list of illustrations and tables along with page number in pencil. However, permanent page number will be given in finally bound copies.

### **3.6 Format for the Chapter style**

Chapter title – All Capitals

Heading of the Section – Title case

Heading of the subsection – Sentence case

Example of the above is as follows

### **3. MATERIALS AND METHODS**

3.1 Experimental Materials – (Location, design, materials and tools, methodology, analysis of data etc.).

3.1.1 Seeds production

3.1.2 Fungal antagonists



## 3.2 Experimental Methodology

### 3.2.1 Collection of samples

Numbering may be restricted to 4 places (e.g. 3.2.1.1) as far as possible.

## 4. Literature Cited

Standard style of quoting references should be used in the text and under the heading “Literature Cited”

The references should be arranged strictly alphabetically. The items of information of different types of publications should be given as follows:

- A. Journal Article:** Name(s) of author(s). Year of publication of the article. Title of the article. Name of the journal (in italics), Volume No. (issue No.): page(s). The name of the journal should be abbreviated according to International Standards Organization rules.
- B. Simple Book:** Name(s) of author(s). Year of publication. Title of the book. Volume No. (in case of multivolume book), Edition No. (if it is later than I edition). Place of Publication, Publisher's name. Pagination (when a particular page of the book is cited then 'p' should be mentioned before page number cited; 'p' following the page number means total number of pages contained in the document).
- C. Contribution to Composite Book:** Name(s) of author(s). Year of publication. Title of contribution. Connecting word 'In': and the following items of the host document: Name(s) of authors. Title of book. Volume No. (in case of multivolume book), Edition No. (if it is later than I edition). Place of publication, Publisher's name. Pagination ('pp' should be used before writing plural pages).
- D. Conference / Workshop / Symposium / Seminar Proceedings.** Name (s) of author(s). Year of Conference etc., Place, Date of Conference. Year of publication. Title of the publication. Name(s) of editor(s). Place of publication, Publisher's name. Pagination. (as indicated in B.)
- E. Contribution to Conference/ Workshop/ Symposium/ Seminar Proceeding:** Name(s) of author(s). Year of publication. Title of contribution. Connecting word 'In': and the following items of information of the host document: Name of the Conference, Place, Date of the Conference etc., Title of the publication. Name(s) of editor(s). Place of publication, Publisher's name. Pagination. (as indicated in C.)
- F. Thesis:** Name of author. Year of submission. Title of the thesis. The word Thesis, Name of the degree. Name of the University, Place, Pagination. (as indicated in B.)
- G. Institution/Society Publications:** Name of the institute/society, Place. Year of publication. Title of the publication. Place of publication, Publisher's name, Pagination (as indicated in B.)



**H. Government Publications:** Name of Territory. Name of the Ministry, etc. Name of the Department, Section, etc. Year of publication. Title of publication. Place of publication, Publisher's name, Pagination.

**I. Website reference:** Name of the website. Title. Date of visit to the website. **(see Specimen 4)**

When quoting reference in the text of the thesis, the last names of the authors (up to two authors and if more than two authors are there, then last name of the first author et al. in italic) should be given followed by the year of publication within parentheses. If reference made to more than one publication by the author(s), in the same year, the publication should be numbered as (a) and (b) of that the earliest publication of that year being designated (a) and so on.

## **5. Submission of Thesis**

A student registered in a semester can submit the thesis on any day during office hours prior to the commencement of the next semester. Students who fail to submit the thesis before the commencement of the next semester, must necessarily register and pay all University dues.

The student will present thesis seminar (non-gradual) before submission of thesis both at Master's and Doctoral levels with mandatory submission of satisfactory report by the advisory committee to the Dean of college, Dean PGS and Registrar.

Temporary bound copies (three in case of Master's and four in case of Ph.D.) of the thesis should be submitted to the Dean PGS through Dean of concerned College. Two copies shall be sent to concerned department for Head and Advisor and one/two copies will be sent to the office of the Registrar for onward transmission to the External Examiner(s).

A candidate for Doctorate degree shall be required the acceptance of at least one research paper for publication in reputed Journal of research (NAAS rating  $\geq 4.0$ ) before submitting the thesis. The student will have to submit acceptance letter through the advisor to this effect alongwith the copy of the paper(s). In case of candidate for Master's degree, it will be desirable to submit the manuscript of research paper(s) to the advisor before submitting the thesis to the office of the Dean of college and Dean PGS. Before the student leaves the University campus, after temporary submission of the thesis, he/she should leave his/her address alongwith contact number and e-mail address with the Advisor, Dean PGS and Registrar, and also inform them of any change in address to facilitate communication with him/her about his/her thesis viva-voce examination.

## **6. Abstract**

Every student, in addition to the thesis, must also submit an abstract in English as well as in Hindi of about 300 words (6 copies each) on white bond paper measuring 22 cm x 28 cm (A4 size) as per directions for typing the thesis. The abstract should be signed by the student and his advisor **(see Specimen 5)**.



## **7. Panel of Examiners**

- I.** The Advisor in consultation with the Head of the Department concerned will suggest for every thesis a panel of at least six examiners (Assoc. Prof./Prof. level) for being appointed as two examiners for Ph.D. thesis evaluation at least one month before the student is ready to submit the thesis to the Dean, PGS through Dean of concerned college. The Dean, PGS/Registrar will obtain consent from two examiners from the panel, after obtaining the approval from Vice-Chancellor to appoint the examiners for evaluation of thesis and for conducting viva-voce examination. In case of Master's thesis, the Advisors along with Head of the department concerned shall suggest a panel of at least 10 names to Dean, PGS for every 5 or less Master's thesis to be evaluated and in multiples thereof for being appointed as examiners for each semester/ academic year through the Dean of concerned College. The Dean PGS/Registrar will obtain the consent from the panel, after obtaining approval of Vice-Chancellor.
- II.** The thesis shall be sent to two external examiners in case of Ph.D. and one external examiner in case of M.Sc. by registered post and the examiners must send the report of the evaluation of the thesis to the Registrar.
- III.** In case the thesis is rejected by one or both the External Examiners, a student shall be required to resubmit the thesis after incorporating the changes as required, not earlier than three months from the date of rejection of thesis after proper registration and payment of fees.
- IV.** The oral preliminary examination in respect of Ph.D. programmes be held by grouping the candidates in the departments, on a semester basis. Further, a panel of 05 examiners with their specialization (Assoc. Prof./Prof. level) by the Head of the department along with Advisor for every 5 or less students to take oral preliminary examination be submitted to Dean, PGS through Dean of the college concerned suggesting two dates in a semester at 6 weeks interval on which the oral preliminary examinations be held. The Dean, PGS/Registrar will obtain consent from the examiners, after taking the approval of Vice-Chancellor.

## **8. Evaluation of Thesis and Viva-Voce Examination**

The Registrar will inform appointment of External Examiner to the Dean, PGS and Advisor. The Advisor can then fix a suitable date for the viva-voce examination in consultation with External Examiner after the receipt of satisfactory report from the External Examiner(s), and inform the same to the Registrar, Dean of Constituent College, Dean, PGS the Head of the Department, the members of the Advisory Committee and the student. The viva-voce exam will be conducted by the External Examiner, the Advisor, the members of the advisory Committee and the Head of the Department. However, other faculty members may attend the same as visitor. On conclusion of the viva-voce examination, five copies of the report in the prescribed proforma should be submitted (see Specimen 6).





## **9. Final Submission of Thesis**

Master's thesis will be bound in bottle green hard cover and Ph.D. in maroon red cover.

Each student will incorporate all the correction(s) and modifications as suggested by the External Examiner(s) and others in his/her thesis and then submit one copy of the hard bound thesis to the office of the Dean, PGS after successful completion of viva-voce examination alongwith correction slip through Head of the Department from the Advisor mentioning that all corrections have been incorporated. This copy will be forwarded to Registrar. Other documents to be submitted with the final thesis are as follows:

1. Soft copy (PDF format/M.S. Word) of the complete thesis on CD mentioning the name and Id. No. of the student alongwith degree programme and major with the help of marker pen should be submitted in the University Library and the receipt of the same is given in office of Dean, PGS/ Dean of constituted college/.
2. The student will submit a pukka bound thesis in the department concerned and get a receipt which is to be submitted in the office of the Dean, PGS through Dean of concerned college.
3. Certificate of assistantship (in case of the student who is recipient of graduate assistantship) to be submitted in Registrar's office.

**“Major Advisor and Head will be ensured and issue the certificate that Thesis has been prepared as per the University guidelines”**

### **Advisory Committee:**

#### **1. Master's degree:**

Three members out of which two from major area/ field including chairman and one from minor/ supporting area.

#### **2. Doctoral degree:**

Four members out of which three from major area/ field including chairman and one from minor/ supporting area.

3. Two and three years services must be remained (before retirement) to become a member/ chairman for Advisory committee of M.Sc. and Ph.D. students, respectively.

### **Staff members on extraordinary leave or study leave or ex-staff (retired) to continue as Advisor:**

1. Normally staff members of the University on extraordinary leave or on study leave or who leave the University service (retired) will cease to continue to serve as Advisors of the Post Graduate Studies of the University. However, the Dean, Post Graduate Studies may permit them to continue to serve as Advisor subject to the following conditions:



- a. The concerned staff member must be resident in India and if he agrees to guide research must be available for occasional consultations.
- b. In case of a Ph.D. student, he/she must have completed his/her preliminary examination and the research work must be well in progress and it is expected that the student will submit the thesis within a year.
- c. The HOD and the Dean of the college concerned agree to the proposal.
- d. The staff member, after leaving the University service will be honorary faculty's member for guiding the thesis/ theses of the student (s) concerned only.
- e. The Chairman Advisory Committee, on his unavoidable absence, the HOD concerned shall act as the Internal Examiner (Chairman) for viva-voce.

#### REMUNERATION OF THESIS EVALUATION AND VIVA-VOCE

A person not the staff of the University who is appointed to examine the thesis and conduct the viva-voce examination for the Master and Doctorate degree, the following remuneration per student will be paid.

S. No.	Particulars	Remuneration per student	
		Master	Doctorate
1.	To evaluate the thesis and conduct viva-voce examination	Rs. 2000/-	Rs. 4000/-
2.	To evaluate the thesis only at each time	Rs. 1000/-	Rs. 2000/-
3.	To conduct viva-voce only at each time	Rs. 1000/-	Rs. 2000/-
4.	To conduct oral preliminary exam at each time/ Fellowship up gradation	---	Rs. 2000/-



Specimen 1

**POPULATION STRUCTURE OF *Xanthomonas*  
*oryzae* pv. *oryzae*, THE PATHOGEN OF BACTERIAL BLIGHT OF RICE, FROM  
MAJOR RICE GROWING AREAS**

**Thesis  
Submitted to the**



**A.N.D. University of Agriculture & Technology  
Ayodhya – 224 229, Uttar Pradesh, India**

**By  
Shailesh Pandey  
I.D. No.-----**

**IN PARTIAL FULFILLMENT OF THE  
REQUIREMENTS FOR THE DEGREE OF**

**Doctor of Philosophy**

**(Plant Pathology)**

August, 2016



**CERTIFICATE – I**

This is to certify that the thesis entitled  
.....  
.....submitted  
(title of the thesis )  
in partial fulfillment of the requirements for the degree of  
.....with major  
(degree)  
in..... of the College of.....  
(discipline)  
Post Graduate Studies, Acharya Narendra Deva University of Agriculture &  
Technology, Kumarganj, Ayodhya is a record of *bonafide* research carried out  
by Mr./Ms..... Id No. ....  
(Name of student)  
under my supervision and no part of the thesis has been submitted for any  
other degree or diploma.  
The assistance and help received during the course of this  
investigation have been acknowledged.

Kumarganj, Ayodhya

Month, Year

Signature

(Name)  
Chairman  
Advisory Committee



**CERTIFICATE – II**

We, the undersigned, member of Advisory Committee of Mr./Ms  
 .....Id. No.....  
 (name of the student)  
 a candidate for the degree of .....  
 (degree)  
 with major in..... agree  
 (discipline)  
 that the thesis entitled .....  
 ..... may be submitted  
 (Title of the thesis)  
 in partial fulfillment of the requirements for the degree.

Signature  
 (Name)

**Chairman**

Signature  
 (Name)  
**Member**

Signature  
 (Name)  
**Member**

Signature  
 (Name)  
**Member**

Signature  
 (Name)

**Head of the Department**  
 (Ex – Officio Member)



## LITERATURE CITED

### A. Journal Article

1. Babu, E. and Singh, V.C. 1992. Tridimefon ameliorated cadmium toxicity in wheat seedling. *Indian J. Plant Physiol.* 35: 195-207

### B. Simple Book

1. **Ou, S.H. 1985 and Turng, D. 1965.** Rice Diseases. Kew, Commonwealth Mycological Institute. 368 p.
2. **Tung, D. 1965.** Handbook of Diet Therapy. 4th ed. Chicago, University of Chicago Press. 525 p.

### C. Contribution to Composite Book

1. **Scott, K.J. 1992.** The molecular analysis of barley resistance to powdery mildew. *In* : Shewry, Peter R.ed. Barley: Genetics, Biochemistry, Molecular biology and Technology. Oxford, C.A.B. International. pp. 481 –496.
2. **Bjorkhnam, O. 1981.** Responses of different quantum flux dignities. *In* : Lange, L.O. ; Nosel, P.S. and Zeigler, H. eds. Encyclopedia of Plant Physiology. V.2A: Physiological Plant Ecology. Berlin, Springer – Verlag. pp. 57 – 107.

### D. Conference/ Workshop/ Symposium/ Seminar/ Proceedings

1. **Suzk, H. 1965.** Origin of Variation in *Pyricularia oryzae*. *In*: Symposium on the Rice Blast Disease, Los Banos, July 1963. Baltimore, Johns Hopkins Press. pp. 111- 146.
2. **Tung, D. 1971.** Recent advances in numerical analysis of structural eigen value problem. *In* : Tokyo Seminar on Finite Element Analysis, Tokyo, November 5-7, 1973. Theory and Practice in Finite Structural Analysis: Proceedings. Tokyo, University of Tokyo. pp. 247-271.

### E. Thesis

1. **Roumen, E.C. 1991.** Partial resistance in rice to blast and how to select for it. Thesis, Ph.D. Agriculture University, Wageningen 108 p.
2. **Turna, H.S. 1989.** Evaluation of elite tomato (*Lycopersicum esculentum* Mill.) lines for growth, yield and ketchup processing. Thesis, M.Sc. G.B. Pant University of Agriculture and Technology, Pantnagar. 84p.

### F. Institution/ Society Publication

1. **Central Building Research Institute. 1985.** Building for the 21th Century Roorkee, Nemchand Bros. 125p.
2. **International Rice Research Institute. 1977.** Annual Report for 1974. Los Banos,



IRRI. p 20.

**G. Government Publication**

- 1. India. Ministry of Food and Agricultural Expert Committee on the Prevention of Slaughter of Cattle in India 1955.** Report. New Delhi, Manager of Publications. 250p.
- 2. India. Ministry of Finance. Bureau of Direct Taxation. Committee on Agricultural Wealth and Income 1972.** Report of committee on agriculture wealth and income. New Delhi, Manager of Publications. 178p.

**H.** Website Reference [www.sugarudyog.com](http://www.sugarudyog.com) Title.



**FORMAT FOR ABSTRACT**

**Name** : ..... **Id. No.** : .....

**Semester** : ..... **Degree** : .....

**Year of admission** : ..... **Department** : .....

**Major** : .....

**Minor** : .....

**Thesis Title** : .....

**Advisor** : .....

**ABSTRACT**

Signature  
(Name of Advisor)

Signature  
(Name of Author)





Specimen 6

**A.N.D. UNIVERSITY OF AGRICULTURE & TECHNOLOGY,  
KUMARGANJ, AYODHYA-224229**

**FORM FOR THESIS AND VIVA-VOCE EXAMINATION REPORT  
(to be filled in quadruplicate)**

The viva-voce examination of Mr./Ms. ....

(name of student)

Id. No. .... a candidate for the degree of .....

(degree)

with major in ..... was

(discipline)

conducted by the undersigned on ..... at ..... and

(date) (time)

a. The performance of the above student at viva-voce examination has been Satisfactory/  
Unsatisfactory\*

b. The thesis entitled..... be/be not\*

(title of thesis)

accepted for the said degree

Signature of External Examiner

Date : .....

Signature

(Name)

**Chairman**

Signature

(Name)

**Member**

Signature

(Name)

**Member**

**Head of Department**

**Countersigned**

**Dean**

College of .....

**Countersigned**

**Dean, PGS**

\*strike off which is not applicable. Cutting must be signed by the external examiner with date