



COLLEGE OF AGRICULTURE

PROSPECTUS

PROGRAM: Master of Science in Plant Breeding (Academic Track) Major: Revised (MM/YYYY): 06/2021 Approved BOR No.: 97, s. 2021
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FIRST YEAR

First Semester

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
AGRN 200*	Statistical Methods in Crop Science	2.0	3.0	3.0	Experimental Design, Methods of Research
PBRG 201**	Advanced Crop Genetics	2.0	3.0	3.0	Basic Genetics
PBRG 203**	Ethics: Scientific Professionalism and Integrity	1.0	0.0	1.0	Consent of Professor (COP)
Minor 1				3.0	As prescribed
<i>Plus attendance in special seminars or lectures.</i>					
		TOTAL		10.0	

*core course, **required major course

Second Semester

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s	
		Lec	Lab			
PBRG 202**	Population Genetics	2.0	3.0	3.0	PBRG 201 & basic pop gen in BS	
PBRG 204**	Advanced Plant Breeding	2.0	3.0	3.0	PBRG 201 & basic plant breeding courses	
Major Elective					3.0	As prescribed
PBRG 206***	Breeding for Tolerance or Resistance to Biotic and/or Abiotic Stresses	2.0	3.0	3.0	basic crop physiology, PBRG 201 & PBRG 204	
PBRG 208 ***	Crop Evolution and PGRFA Conservation, Management and Utilization	2.0	3.0	3.0	basic PGR PBRG 201 & PBRG 204	
PBRG 210***	Advanced Crop Biotechnology for Crop Improvement	2.0	3.0	3.0	PBRG 201	
PBRG 212***	Breeding for Ornamental, Fruit, Vegetable and High Value Crops	2.0	3.0	3.0	PBRG 201 & PBRG 204	
Minor 2				3.0	As prescribed	
<i>Plus attendance in special seminars or lectures.</i>						
		TOTAL		12.0		

*core course, **required major course, ***student may select 1 course (3 units) from the above list of major electives

MIDYEAR

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
PBRG 205**	Training in Molecular Plant Breeding and Crop Biotechnology	40.0	200.0	1.0	At least 10 units of core & major courses
		TOTAL		1.0	

**required major course

SECOND YEAR

First Semester

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s	
		Lec	Lab			
PBRG 207**	Special Topics	1.0	1.0	2.0	PB 205	
PBRG 299	Graduate Seminar	1.0	0.0	1.0		
Major Electives					3.0	As prescribed
PBRG 209 ***	Quantitative Genetics and Breeding for Quantitative Traits	2.0	3.0	3.0	PBRG 54, PBRG 56, AGRIC 44	
PBRG 211 ***	Participatory Plant Breeding for Development	2.0	3.0	3.0	PBRDG 56 & PBRG 204	
PBRG 213 ***	Biostatistics and Bioinformatics	2.0	3.0	3.0	AGRN 200, PBRG 201 & PBRG 204	
Minor 3				3.0	As prescribed	
<i>Plus attendance in special seminars or lectures.</i>						
		TOTAL		9.0		

*core course, **required major course, ***student may select 1 course (3 units) from the above major electives

Second Semester

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
PBRG 300	Master's Thesis	-	-	6	Passed the comprehensive exam
		TOTAL		6.0	

Note: COI/COP- Consent of the Instructor/Consent of the Professor

Summary of Units

Summary of Units		
I. Core Course		
II. Required Major Courses	(minimum of 10units)	10
III. Major Elective Courses	(minimum of 9 units)	9
IV. Cognate Courses	(minimum of 6 units)	6
V. Graduate Seminar		1
VI. Master's Thesis		6
TOTAL UNITS		38

Major Faculty Members

1 Cleofe T. Apiag	MS Plant Breeding
2 Nenita B. Baldo	PhD Plant Breeding
3 Helen LV. Ebuña	MS Plant Breeding
4 Joy M. Jamago	PhD Crop Sciences (Genetics & Plant Breeding)
5 Jean L. Valleser	MS Plant Breeding

Prepared by:

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Approved by:

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 Department Chairperson

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 Dean

