

Bangabandhu Sheikh Mujibur Rahman Agricultural University

Title: Ordinance for the award of Master of Science (M.S.) and Doctor of Philosophy (Ph.D.) degrees in Seed technology prepared as per provision of Articles 37 and 39 of the Bangabandhu Sheikh Mujibur Rahman Agricultural University Act 1998 (Act No. 16 of 1998, herein after to as BSMRAU Act).

1. Degree offered:

The degrees of Master of Science (M.S.) and Doctor of Philosophy (Ph.D.) in Seed Technology will be offered by the Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Salna, Gazipur, Bangladesh to the candidates subject to the fulfillment of the academic requirements laid down as per the rules and regulations mentioned hereunder and other relevant rules and regulations pertinent to the M.S. and Ph. D. Ordinance of the university.

2. Seed Technology Unit (STU):

- a) To provide support and facilities for conducting research on aspects of seed technology and offering courses leading to M.S. and Ph.D. degrees a multidisciplinary Seed Technology Unit (STU) will be constituted as per provision of Article 37 (Ka) of the BSMRAU Act.
- b) The STU will be constituted with the collaborative academic departments of the university engaged in or relevant to running academic and research programs on seed technology.
- c) The collaborative academic departments based on their importance, nature and course load on seed technology and related aspects will be identified and categorized as “Major” and “Minor” by the Board of Studies (BOS) of the STU and approved by the Academic Council. The engagement of the collaborative academic departments will be updated form time to time as it is deemed necessary by the BOS of STU and approved by the Academic Council.
- d) The Heads of the respective collaborative academic departments, on the basis of experience, competence and requirements of the Seed technology programs, will identify their faculty members to conduct research, offer courses, and/or supervise graduate students enrolled in the STU. The faculty members thus identified from the major collaborative academic departments will be considered as the faculty members of the STU. The engagement of the faculty members will be updated form time to time as it is deemed necessary by the BOS of STU and approved by the Academic Council.
- e) The faculty members selected as per provision of Article 2(d) will remain the faculty members of the respective academic departments where they originally belong to but will share the responsibility of teaching, supervising students and carrying out research on aspects of seed technology as decided and entrusted by the BOS of the STU.
- f) The STU will develop and offer courses and conduct research on seed technology. The courses thus offered by the major collaborative academic departments will constitute the “Major courses” while those offered by the minor collaborative academic department will

be considered as the “Minor courses”. The Major and Minor courses will have “Core courses” and “Elective courses” as decided by the BOS of STU and approved by the Academic Council. The faculty members of the STU serve as the “Major Professor” while those from the minor collaborative academic departments may serve as the “Research Supervisor” in case of research supervision for the degree.

3. Managements of the Seed Technology Unit

- a) Head to be selected out of the faculty members of the STU on a two-year term based on seniority will act as the chief of the STU and will enjoy the facilities provided for the Head of the academic departments of the university as per the provision of the BSMRAU Act. Until such provision of Head is introduced, the Dean of the Faculty of Agriculture will act as the Head of STU.
- b) The Head will be responsible for coordinating and administering the academic and research activities at the Unit level.
- c) The Faculty members of the STU referred to in Article 2(d) of this Ordinance together with an expert member with relevant experience nominated by the Vice-Chancellor will form the BOS of the STU for M.S. and Ph.D. programs in Seed Technology as per provision of the article 23 of the BSMRAU Act.
- d) The BOS of the STU will be entrusted with the power and responsibilities as per provision of the article 24 of the BSMRAU Act.
- e) The faculty members of the STU will enjoy the benefits and privileges of the parent department as admissible to other faculty members of the respective departments in addition to those admissible from the STU.

Minimum Course Requirement for MS Degree in Seed Technology

A. Major courses	Cr	Minor Courses	Cr
1a. Core	12	2a. Core	6
SDT 503/AGR 503: Fundamentals of Seed Technology	3	ENT 530: Seed Entomology	3
SDT 520: Seed Technology in Bangladesh	3	STT 501: Methods Statistics	3
SDT 530: Field & lab Techniques in Seed Technology	3		
SDT 510: Seed Technology Functions	3		
1b. Elective	6	2b. Elective	6
SDT 506/PLP 506: Seed pathology		AEC 540: Agricultural Development	3
SDT 540: Seed equipment	3	AEC 541: Agricultural Policy	3
SDT 550: Seed Enterprise Development	3	AER 501: Agricultural Extension & Communication	3
SDT 560: Seed Quality & Seed Testing	3	AGR 501: Principles of Crop production	3
SDT 570: Seed Storage	3	CBT 540: Plant Biochemistry	
SDT 631/HRT 631: Vegetable Seed Production Technology	3	SSC 538: Soil Fertility	3
SDT 655/GPB 655: Hybrid Seed Technology	3	Others courses	3
B. Seminar	1		
SDT 598: Seminar	1		
C. Thesis Research	12		
SDT 599 : Thesis Research	variable		

Minimum Course Requirement for Ph.D. Degree in Seed Technology

A. Major courses	Cr	Minor Courses	Cr
1a. Core	18	2a. Core	9
SDT 503/AGR 503: Fundamentals of Seed Technology	3	AGR 675: Seed Physiology	
SDT 510: Seed Technology Functions	3	ENT 530: Seed Entomology	3
SDT 520: Seed Technology in Bangladesh	3	STT 501: Methods Statistics	3
SDT 530: Field & lab Techniques in Seed Technology	3		3
SDT 540: Seed equipment	3		
SDT 550: Seed Enterprise Development			
1b. Elective	12	2b. Elective	6
SDT 506/PLP 506: Seed pathology	3	AEC 540: Agricultural Development	3
SDT 560: Seed Quality & Seed Testing	3	AEC 541: Agricultural Policy	3
SDT 521/GPB521: Plant Breeding	3	AER 501: Agricultural Extension & Communication	3
SDT 570: Seed Preservation	3	AGR 501: Principles of Crop production	3
SDT631/HRT: Vegetable Seed Production/Technology	3	AGR 625: Agro meteorology	
SDT 655/GPB 655: Hybrid Seed Technology	3	CBT 516: Plant Embryology	3
SDT 645/GPB 645: Maintenance Breeding and Breeders Seed Production	3	CBT 540: Plant Biochemistry	3
SDT 650: Seed Technology Around the World		ENT 508: Biological Control	3
SDT 660: Seed Quality Assurance		ENT 518: Integrated Pest Management	3
		SST 510: Design of Experiments	3
		SSC 538: Soil Fertility	3
		Other Courses	3
B. Seminar	2		
SDT 698: Seminar	2		
C. Dissertation Research	30		
SDT 699 : Dissertation Research	Variable		