



Davao del Sur State College
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Seed Technology





SEED TECHNOLOGY

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PREFACE

Seed technology is a critical field in agriculture that focuses on the science and techniques involved in the production, quality control, and management of seeds. As the foundation of plant reproduction, seeds are crucial for crop production and food security. This course covers essential topics, such as the biological processes involved in plant reproduction, seed formation, and the chemical and physiological functions of seeds, providing students with the knowledge needed to understand how seeds develop and function in various agricultural systems.

The study of seed production techniques will also be a key focus, equipping students with the skills necessary to produce high-quality, genetically pure, and viable seeds. In addition to seed production, the course will explore important factors affecting seed germination, dormancy, vigor, and deterioration, ensuring that students understand how to optimize seed performance and storage for long-term viability.

By the end of the course, students will be able to apply scientific principles to improve seed quality through effective postharvest management, quality control measures, and appropriate storage techniques. This knowledge will contribute to enhancing crop yields, promoting sustainability, and ensuring the continued growth and development of agricultural systems.





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