



# PLSC330

## Plant Breeding and Genetics

🌱 Ever wondered how your favorite plant varieties are created? Join us and uncover the exciting world of plant breeding!

📊 We will explore the science behind how breeders develop new crops and learn the cutting-edge techniques they use to shape the future of agriculture.

PLSC330 is a **substitute** course for the **required** PLSC/ANSF300 Principles of Animal and Plant Genetics, **designed** for Plant Science students and any students who are interested in plants.

### What You'll Learn:

- 🔬 Mendelian & Quantitative Genetics
- 🌱 Breeding Methods (inbreds, hybrids, clonal, etc.)
- 🧬 Molecular Markers & Genomic Selection
- 📊 Advanced Breeding Technologies (biotech, HTP, etc.)
- 👨‍🌾 Field-Based Experience

**Prereq:** PLSC 101 or BISC 207 or BISC 208

**Term:** Fall 2025

**Time:** MoWe 8:40 AM-10:00 AM

**Location:** Fischer Greenhouse Rm 103

**Instructor:** Dr. Qi Mu (Assistant Professor of Molecular Plant Breeding and Genomics, [qimu@udel.edu](mailto:qimu@udel.edu))

