

**SWAMI SHRADDHANAND COLLEGE**  
**DEPARTMENT OF BOTANY**

<b>Program/Courses</b>	
<b>B. Sc (H) Botany sem I</b>	
<b>DSC-</b>	1. Plant Diversity and Evolution 2. Cell Biology, Organelles & Biomolecules 3. Basic Laboratory & Field Skills in Biology
<b>GE-</b>	1. Basic laboratory and field skills in plant biology and allied sciences
<b>VAC-</b>	1. Ayurveda and Nutrition
<b>SEC-</b>	1. Mushroom Culture and Technology-I
<b>B. Sc (H) Botany sem II</b>	
<b>DSC-</b>	1. Microbiology and Plant Microbe Interaction 2. Plant Resources and Economic Botany 3. Plant Systematics
<b>GE-</b>	1. Viewing and capturing diversity in nature
<b>VAC-</b>	1. Ayurveda and Nutrition
<b>SEC-</b>	1. Mushroom Culture and Technology-I
<b>B. Sc (H) Botany sem III</b>	
<b>DSC-</b>	1. Phycology-The world of algae 2. Bryophytes, Pteridophytes and Gymnosperms 3. Genetics and plant breeding
<b>DSE-</b>	1. Biostatistics and Bioinformatics for Plant Sciences
<b>GE-</b>	1. Plant Biotechnology 2. Plant tissue culture
<b>VAC-</b>	1. Ayurveda and Nutrition
<b>SEC</b>	1. Biofertilizers 2. Mushroom Culture and Technology-II

<b>B. Sc (H) Botany sem IV</b>	
<b>DSC-</b>	1. Mycology 2. Ecology and conservation 3. Developmental biology of angiosperms
<b>DSE-</b>	1. Applied Phycology
<b>GE-</b>	1. Environmental monitoring and ecosystem restoration
<b>VAC-</b>	1. Ayurveda and Nutrition
<b>SEC</b>	- 1. DNA barcoding of Medicinal/commercially important plants
<b>BSc Life Science sem I</b>	
<b>DSC-</b>	1. Plant Diversity and Systematics
<b>BSc Life Science sem II</b>	
<b>DSC-</b>	1. Genetics and molecular biology
<b>BSc. Life Science sem III</b>	
<b>DSC-</b>	1. Plant Cell and Developmental Biology
<b>BSc. Life Science sem IV</b>	
<b>DSC-</b>	1. Ecology and evolution
<b>B.Sc. Applied Life Science Sem I</b>	
<b>DSC-</b>	1. Microbial World & Plant Diversity
<b>B.Sc. Applied Life Science Sem II</b>	
<b>DSC-</b>	1. Economic Botany
<b>GE-</b>	1. Informatics and statistics for biology and allied sciences
<b>B.Sc. Applied Life Science Sem III</b>	
<b>DSC-</b>	1. Genetics and Molecular Biology
<b>DSE-</b>	1. Ecology, Conservation, and Restoration
<b>B.Sc. Applied Life Science Sem IV</b>	

<b>DSC-</b> 1. Plant pathology
<b>DSE-</b> 1. Crop genetics and plant breeding