

List of Courses – FYUGP

NSS College, Pandalam

Name of the Department: **Botany**

Semester: I

Discipline Specific Core (DSC)

Sl. No.	Course Code	Name of the Course
1	UK1DSCBOT101	Plant World I (Mandatory)
2	UK1DSCBOT103	Fundamentals and Scope of Botany

Multidisciplinary Courses (MDC)

Sl. No.	Course Code	Name of the Course
1	UK1MDCBOT103	Botany in Forensic Science

Semester: II

Discipline Specific Core (DSC)

Sl. No.	Course Code	Name of the Course
1	UK2DSCBOT101	Plant World II (Mandatory)
2	UK2DSCBOT102	Anatomy of Flowering Plants

Multidisciplinary Courses (MDC)

Sl. No.	Course Code	Name of the Course
1	UK2MDCBOT101	Plants and Human welfare.

Semester: III

Discipline Specific Core (DSC)

Sl. No.	Course Code	Name of the Course
1	UK3DSCBOT201	Histology and Reproductive Botany (Mandatory)
2	UK3DSCBOT203	Bryophytes, Pteridophytes and Gymnosperms
3	UK3DSCBOT204	Environmental Sciences

Discipline Specific Elective (DSE)

Sl. No.	Course Code	Name of the Course
1	UK3DSEBOT201	Ethnobotany & IPR

Semester: IV**Discipline Specific Core (DSC)**

Sl. No.	Course Code	Name of the Course
1	UK4DSCBOT201	Lower Cryptogams, Phytopathology and Microbiology (Mandatory)
2	UK4DSCBOT202	Archegoniates and Paleobotany (Mandatory)

Discipline Specific Elective (DSE)

Sl. No.	Course Code	Name of the Course
1	UK4DSEBOT202	Food Science and Quality Control

Internship

Sl. No.	Course Code	Name of the Course
1	UK4INTBOT201	Summer Internship

Skill Enhancement Courses (SEC)

Sl. No.	Course Code	Name of the Course
1	UK4SECBOT202	Organic Agriculture Practices

Semester: V**Discipline Specific Core (DSC)**

Sl. No.	Course Code	Name of the Course
1	UK5DSCBOT301	Angiosperm Morphology and Plant Systematics (Mandatory)
2	UK5DSCBOT302	Plant Genetics (Mandatory)
3	UK5DSCBOT303	Cell biology and Evolutionary Biology (Mandatory)

Discipline Specific Elective (DSE)

Sl. No.	Course Code	Name of the Course
1	UK5DSEBOT301	Analytical Techniques in Plant Science
2	UK5DSEBOT302	Horticulture and Nursery Management

Skill Enhancement Courses (SEC)

Sl. No.	Course Code	Name of the Course
1	UK5SECBOT303	Urban Gardening and Landscaping

Semester: VI**Discipline Specific Core (DSC)**

Sl. No.	Course Code	Name of the Course
1	UK6DSCBOT301	Plant Physiology (Mandatory)
2	UK6DSCBOT302	Environmental Science and Conservation Biology (Mandatory)
3	UK6DSCBOT303	Biochemistry and Molecular Biology (Mandatory)

Discipline Specific Elective (DSE)

Sl. No.	Course Code	Name of the Course
1	UK6DSEBOT301	Plant Propagation and Crop Improvement
2	UK6DSEBOT302	Phytochemistry and Drug Discovery

Skill Enhancement Courses (SEC)

Sl. No.	Course Code	Name of the Course
1	UK6SECBOT301	Herbal Cosmetics

Semester: VII**Discipline Specific Core (DSC)**

Sl. No.	Course Code	Name of the Course
1	UK7DSCBOT301	Genetic Engineering
2	UK7DSCBOT304	Biodiversity and Conservation
3	UK7DSCBOT401	Methodology in Biological Research
4	UK7DSCBOT402	Plant Interaction and Defense Mechanism

Discipline Specific Elective (DSE)

Sl. No.	Course Code	Name of the Course
1	UK7DSEBOT402	Industrial Tissue Culture

Semester: VIII**Discipline Specific Core (DSC)**

Sl. No.	Course Code	Name of the Course
1	UK8DSCBOT401	Applied Aspects of Thallophytes
2	UK8DSCBOT403	Bioinformatics
3	UK8DSCBOT404	Developmental Botany

Research Project

Sl. No.	Course Code	Name of the Course
1	UK8RPHBOT401	Research Project