

List of Courses – FYUGP

NSS College, Pandalam

Name of the Department: **Biochemistry**

Semester: I

Discipline Specific Core (DSC)

Sl. No.	Course Code	Name of the Course
1	UK1DSCBCH100	Basic Elements of Biochemistry
2	UK1DSCBCH102	Origin of life

Multidisciplinary Courses (MDC)

Sl. No.	Course Code	Name of the Course
1	UK1MDCBCH100	Biochemistry of Contagious Diseases: Current Scenario
2	UK1MDCBCH101	Nutritional biochemistry for Health & Fitness

Semester: II

Discipline Specific Core (DSC)

Sl. No.	Course Code	Name of the Course
1	UK2DSCBCH100	Introduction to Biomolecules
2	UK2DSCBCH102	Biomolecules in Living Organisms

Multidisciplinary Courses (MDC)

Sl. No.	Course Code	Name of the Course
1	UK2MDCBCH100	Biochemistry of Lifestyle Diseases
2	UK2MDCBCH101	Biochemistry of Food Adulteration

Semester: III

Discipline Specific Core (DSC)

Sl. No.	Course Code	Name of the Course
1	UK3DSCBCH201	Enzymes and Enzyme Kinetics
2	UK3DSCBCH202	Sports Nutrition

Discipline Specific Elective (DSE)

Sl. No.	Course Code	Name of the Course
1	UK3DSEBCH200	Nutrition for Human Health

Value-Addes Courses (VAC)

Sl. No.	Course Code	Name of the Course
1	UK3VACBCH202	Fermentation Technology

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

Sl. No.	Course Code	Name of the Course
1	UK4DSCBCH201	Cell Biology
2	UK4DSCBCH204	Techniques in Biochemistry

Discipline Specific Elective (DSE)

Sl. No.	Course Code	Name of the Course
1	UK4DSEBCH200	Lifestyle diseases and Dietary Management

Internship

Sl. No.	Course Code	Name of the Course
1	UK4INTBCH200	Internship

Skill Enhancement Courses (SEC)

Sl. No.	Course Code	Name of the Course
1	UK4SECBCH201	Diagnostic Biochemistry

Value-Addes Courses (VAC)

Sl. No.	Course Code	Name of the Course
1	UK4VACBCH201	Science Journalism

Semester: V

Discipline Specific Core (DSC)

Sl. No.	Course Code	Name of the Course
1	UK5DSCBCH300	Bioenergetics and Carbohydrate Metabolism
2	UK5DSCBCH301	Nucleic Acid, Lipid and Amino Acid Metabolism
3	UK5DSCBCH302	Human Physiology and Immunology

Discipline Specific Elective (DSE)

Sl. No.	Course Code	Name of the Course
1	UK5DSEBCH300	Inborn Errors of Metabolism
2	UK5DSEBCH301	Food and Dietary Science

Skill Enhancement Courses (SEC)

Sl. No.	Course Code	Name of the Course
1	UK5SECBCH301	Quality Assurance and Quality Control

Semester: VI

Discipline Specific Core (DSC)

Sl. No.	Course Code	Name of the Course
1	UK6DSCBCH300	Classical and Molecular genetics
2	UK6DSCBCH301	Clinical Biochemistry and Molecular Diagnostics
3	UK6DSCBCH305	General Informatics and Bioinformatics

Discipline Specific Elective (DSE)

Sl. No.	Course Code	Name of the Course
1	UK6DSEBCH300	Microbial Biochemistry

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

Sl. No.	Course Code	Name of the Course
1	UK7DSCBCH400	Cell Signalling
2	UK7DSCBCH402	Research Methodology

Discipline Specific Elective (DSE)

Sl. No.	Course Code	Name of the Course
1	UK7DSEBCH400	Tissue Engineering and 3D Printing

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

Sl. No.	Course Code	Name of the Course
1	UK8DSCBCH400	Developmental Biology
2	UK8DSCBCH401	Pharmacology
3	UK8DSCBCH402	Nanomaterials for Biomedical Applications

Research Project

Sl. No.	Course Code	Name of the Course
1	UK8RPHBCH400	Research Project