

List of Courses – FYUGP

NSS College, Pandalam

Name of the Department: **Chemistry**

Semester: I

Discipline Specific Core (DSC)

Sl. No.	Course Code	Name of the Course
1	UK1DSCCHE100	INORGANIC CHEMISTRY I
2	UK1DSCCHE101	FUNDAMENTALS OF CHEMISTRY I
3	UK1DSCCHE103	FOUNDATIONS OF INORGANIC & POLYMER CHEMISTRY
4	UK1DSCCHE104	GENERAL INORGANIC CHEMISTRY
5	UK1DSCCHE105	GENERAL CHEMISTRY I

Multidisciplinary Courses (MDC)

Sl. No.	Course Code	Name of the Course
1	UK1MDCCHE100	FUNDAMENTAL ASPECTS OF ENVIRONMENTAL CHEMISTRY

Semester: II

Discipline Specific Core (DSC)

Sl. No.	Course Code	Name of the Course
1	UK2DSCCHE100	ORGANIC CHEMISTRY - I
2	UK2DSCCHE101	FUNDAMENTALS OF CHEMISTRY II
3	UK2DSCCHE103	ESSENTIALS OF ORGANIC CHEMISTRY
4	UK2DSCCHE104	BIO ORGANIC CHEMISTRY & COLLOIDS
5	UK2DSCCHE106	GENERAL CHEMISTRY - II

Multidisciplinary Courses (MDC)

Sl. No.	Course Code	Name of the Course
1	UK2MDCCHE100	CHEMISTRY IN EVERYDAY LIFE

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

Sl. No.	Course Code	Name of the Course
1	UK3DSCCHE200	PHYSICAL CHEMISTRY - I
2	UK3DSCCHE201	ESSENTIALS OF PHYSICAL CHEMISTRY
3	UK3DSCCHE203	NATURAL PRODUCT CHEMISTRY
4	UK3DSCCHE205	BIOMOLECULES & BIOPHYSICAL CHEMISTRY - II
5	UK3DSCCHE206	GENERAL CHEMISTRY - III

Discipline Specific Elective (DSE)

Sl. No.	Course Code	Name of the Course
1	UK3DSECHE205	FORENSIC CHEMISTRY - I
2	UK3DSECHE207	MEDICINAL & PHARMACEUTICAL CHEMISTRY - I

Value Added Courses (VAC)

Sl. No.	Course Code	Name of the Course
1	UK3VACCHE200	LABORATORY SAFETY

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

Sl. No.	Course Code	Name of the Course
1	UK4DSCCHE200	INORGANIC CHEMISTRY II
2	UK4DSCCHE202	ORGANIC CHEMISTRY - II

Discipline Specific Elective (DSE)

Sl. No.	Course Code	Name of the Course
1	UK4DSECHE205	FORENSIC CHEMISTRY - II
2	UK4DSECHE207	MEDICINAL & PHARMACEUTICAL CHEMISTRY - II

Internship

Sl. No.	Course Code	Name of the Course
1	UK4INTCHE200	Summer Internship

Skill Enhancement Courses (SEC)

Sl. No.	Course Code	Name of the Course
1	UK4SECCHE201	PRACTICAL SKILLS IN CHEMISTRY

Value Added Courses (VAC)

Sl. No.	Course Code	Name of the Course
1	UK4VACCHE200	SUSTAINABLE CHEMISTRY
2	UK4VACCHE201	SCIENTIFIC COMMUNICATION & ETHICS

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

Sl. No.	Course Code	Name of the Course
1	UK5DSCCHE300	INORGANIC CHEMISTRY III A
2	UK5DSCCHE302	PHYSICAL CHEMISTRY II
3	UK5DSCCHE304	ORGANIC CHEMISTRY - III

Discipline Specific Elective (DSE)

Sl. No.	Course Code	Name of the Course
1	UK5DSECHE310	FORENSIC CHEMISTRY - III
2	UK5DSECHE311	FORENSIC CHEMISTRY - IV
3	UK5DSECHE314	MEDICINAL & PHARMACEUTICAL CHEMISTRY - III
4	UK5DSECHE315	MEDICINAL & PHARMACEUTICAL CHEMISTRY - IV

Skill Enhancement Courses (SEC)

Sl. No.	Course Code	Name of the Course
1	UK5SECCHE300	ANALYTICAL SKILLS

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

Sl. No.	Course Code	Name of the Course
1	UK6DSCCHE300	PHYSICAL CHEMISTRY - III
2	UK6DSCCHE302	ORGANIC CHEMISTRY - IV
3	UK6DSCCHE304	PHYSICAL CHEMISTRY - IV

Discipline Specific Elective (DSE)

Sl. No.	Course Code	Name of the Course
1	UK6DSECHE310	FORENSIC CHEMISTRY - V
2	UK6DSECHE311	FORENSIC CHEMISTRY - VI
3	UK6DSECHE314	MEDICINAL & PHARMACEUTICAL CHEMISTRY - V
4	UK6DSECHE315	MEDICINAL & PHARMACEUTICAL CHEMISTRY - VI

Skill Enhancement Courses (SEC)

Sl. No.	Course Code	Name of the Course
1	UK6SECHE300	CHROMATOGRAPHY

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

Sl. No.	Course Code	Name of the Course
1	UK7DSCCHE400	ADVANCED INORGANIC CHEMISTRY I
2	UK7DSCCHE401	ADVANCED INORGANIC CHEMISTRY II

Discipline Specific Elective (DSE)

Sl. No.	Course Code	Name of the Course
1	UK7DSECHE400	RESEARCH METHODOLOGY & ETHICS

Semester: VIII

Capstone Internship Project

Sl. No.	Course Code	Name of the Course
1	UK8CIPCHE400	Capstone Internship Project

Research Project

Sl. No.	Course Code	Name of the Course
1	UK8RPHCHE400	Honours with Research Project