

## Scheme of Studies B.Sc. (HONS.) Agriculture Major Soil Science

### SEMESTER-V (One Elective Major 3 CH will be selected by the students)

Course code	Title	Credit Hours	Course Type
SS-501	PHYSICAL PROPERTIES OF SOILS	3(2-1)	Major
SS-503	CHEMICAL PROPERTIES OF SOILS	3(2-1)	Major
SS-505	SOIL SURVEY	2(1-1)	Major
SS-507	INSTRUMENTATION AND LABORATORY TECHNIQUES	2(0-2)	Major
SS-509	APPLIED MATHEMATICS FOR SOIL SCIENCE	3(3-0)	Major
SS-513	MUNICIPAL WASTES AND ITS TRANSFORMATIONS	2(2-0)	Major
SS-515	SOIL FERTILITY EVALUATION	2(1-1)	Major
TGM-501	TUTORIAL GROUP MEETING FOR SOFT SKILLS	NCC	Compulsory
	<b>Major Sub-Total Credit Hours</b>	<b>17</b>	
SS-511	PLANT GROWTH UNDER STRESS ENVIRONMENT	3(3-0)	Elective Major
SS-517	MICROBIAL ECOLOGY AND PLANT GROWTH	3(3-0)	Elective Major
	<b>Total Credit Hours</b>	<b>20</b>	

### SEMESTER-VI (One Elective Major 2 CH will be selected by the students)

SS-502	SALT-AFFECTED SOILS AND WATER QUALITY	3(2-1)	Major
SS-504	SOIL FERTILITY AND FERTILIZER USE	3(2-1)	Major
SS-506	SOIL GENESIS AND MORPHOLOGY	3(2-1)	Major
Chem-501	PHYSICAL CHEMISTRY-I	3(2-1)	Interdisc.
SS-510	SOIL – WATER – PLANT RELATIONSHIPS	3(3-0)	Major
SS-512	SOIL CHEMISTRY AND PLANT GROWTH	3(3-0)	Major
	<b>Sub-Total credit hours</b>	<b>18</b>	
SS-514	GIS IN SOIL SURVEY AND LAND USE PLANNING	2(1-1)	Elective Major
SS-516	NUTRIENT MANAGEMENT IN DEGRADED SOILS	2(2-0)	Elective Major
TGM-502	TUTORIAL GROUP MEETING FOR SOFT SKILLS	NCC	Compulsory
	<b>Total credit hours</b>	<b>20</b>	

### SEMESTER-VII (One Elective Major 3CH will be selected by the students)

SS-601	SOIL MICROBIOLOGY AND BIOCHEMISTRY	3(2-1)	Major
SS-603	ENVIRONMENT POLLUTION AND MANAGEMENT	3(3-0)	Major
SS-605	SOIL AND WATER CONSERVATION	3(3-0)	Major
SS-609	ELEMENTS OF SOIL PHYSICS	3(3-0)	Major
SS-611	PREPARATION OF RESEARCH PROPOSAL AND SCIENTIFIC WRITING	2(1-1)	Major
SS-607	SALINE AGRICULTURE	2(2-0)	Major
SS-613	EXPERIMENTAL PLANNING	2(2-0)	Major
TGM-601	TUTORIAL GROUP MEETING FOR SOFT SKILLS	NCC	Compulsory
	<b>Sub-Total credit hours</b>	<b>18</b>	
SS-615	Pollutant Movement in Soil	3(2-1)	Elective Major
SS-621	Land Degradation and Management	3(3-0)	Elective Major
	<b>Total credit hours</b>	<b>21</b>	

### SEMESTER-VIII

SS-602	INTERNSHIP	3(0-3)	Major
SS-604	CAPSTONE PROJECT	3(0-3)	Major
	<b>Total credit hours</b>	<b>6</b>	