

**Department of Soil Science, College of Agriculture
G.B. Pant University of Agriculture & Technology
Pantnagar-263145, Uttarakhand
Academics**

Degree Offered:

- M.Sc. Ag. (Soil Science) : 8+2
- Ph.D. (Soil Science) : 4+1

Courses Offered in the Department:

Sl. No.	No. of course	Title of course	Credit Hrs.
UG Courses			
1	APS-101	Work Programme	1(0+1)
2	APS-102	Agriculture for Engineers	4(3+1)
3	HNS-202	Basic Soil Microbiology	2(1+1)
4	APS-220	Agricultural Microbiology	3(2+1)
5	HNS-300	Soil and Plant Analysis	2(1+1)
6	APS- 320	Fundamentals of Soil Science	3(2+1)
7	APS-330	Soil Fertility, Manure, Fertilizers & Nutrient Management	3(2+1)
8	APS-340	Conservation and Management of Soil Water Resources	2(1+1)
9	APS-366	Soil Quality Analysis & Management	2(0+2)
10	APS-390	RAWE Plant Clinic(1/4)	4(0+4)
11	CFS-394	Soil Quality Analysis	2(0+2)
12	APS-401	Basics of Soil Science	3(2+1)
PG Courses			
1	APS-401	Basics of Soil Science	3(2+1)
2	APS-430	Soil Survey	3(2+1)
3	APS-468	Soil Testing and Fertilizer Recommendation	2(1+1)
4	APS-500	Soil Physics	3(2+1)
5	APS-515	Analytical techniques and Instrumental methods in soil and plant analysis	2(0+2)
6	APS-516	Soil Fertility and Fertilizer Use	4(3+1)
7	APS-517	Soil Chemistry	3(2+1)
8	APS-518	Soil Biology and Biochemistry	3(2+1)
9	APS-519	Soil Mineralogy, Genesis, Classification and Survey	3(2+1)
10	APS-580	Soil Erosion & Conservation	3(2+1)
11	APS-601	Special Problem	1-2
12	APS-620	Land Degradation and Restoration	1(1+0)
13	APS-640	Soil Plant Microbe Relationship	3(3+0)
14	MAM-697	Fertilizer Technology management	2(2+0)
15	APS-601	Special Problem	1-2
16	APS-610	Management of Problematic Soils & Water	3(2+1)
17	APS-615	Fertilizer Technology	1(1+0)

18	APS-601	Special Problem	1-2
19	APS-600	Masters Seminar	1(0+1)
20	APS-705	Remote Sensing & GIS Techniques for soil and crop studies	3(2+1)
21	APS-710	Advances in Soil Physics	2(2+0)
22	APS-720	Advances in Soil Fertility	2(2+0)
23	APS-788	Doctoral Seminar-I	1(0+1)
24	APS-789	Doctoral Seminar-II	1(0+1)
25	APS-730	Biochemistry of Soil Organic Matter	2(2+0)