

Department of Agrometeorology

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

Academics

Degree Offered

Sl.No.	Degree	No. of Seats		Total
		UA Domicile	Other states	
1	M.Sc.(Ag.) Agrometeorology	4	1	5
2	Ph.D. Agrometeorology	4	1(ICAR sponsored)	5

Courses Offered

UG

Sl. No.	CourseNo.	Course name	Credit	Course Instructor
1	AAM-306	Introductory Agrometeorology & Climate Change (Batch-A,B,C)	3(2-0-1)	Dr. R.K. Singh Dr. Rajeev Ranjan Dr. Ravi Kiran
2.	AAM/BPM-205	Agri-Informatics	2(1-0-2)	Dr. R.K. Singh Dr. Rajeev Ranjan Dr. Ravi Kiran
3.	AAM-410	System Simulation and Agro-advisory	2(1-0-2)	Dr. Rajeev Ranjan
4.	AAM/APA-205	Geo Informatics, Nanotechnology & Precision Farming	2(1-0-2)	Dr. R.K. Singh Dr. Rajeev Ranjan Dr. Ravi Kiran

Deficiency Courses

1	AAM-401	Principles of Agrometeorology	3(2-0-1)	Dr. R.K. Singh
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PG

Sl. No.	CourseNo.	Coursename	Credit	Course Instructor
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PG Courses				
1	AAM-500	Principles of Remote Sensing	3(2-0-1)	Dr. Rajeev Ranjan
2	AAM-503	Micrometeorology	3(2-0-1)	Dr.R.K.Singh
3	AAM-510	General meteorology	3(3-1-0)	Dr. R. K. Singh
4	AAM-515	Applied agricultural Climatology	3(2-0-1)	Dr. Ravi Kiran
5	AAM-520	Agricultural Meteorology	3(2-0-1)	Dr.Ravi Kiran
6	AAM-600	Seminar	1	Dr. R.K. Singh / Dr. Rajeev Ranjan
7	AAM-690	Thesis	20	
Ph.D. Courses				
8	AAM-701	Climate Change and Sustainable Development	3(2-0-1)	Dr.Ravi Kiran
9	AAM-706	Strategic Use of Climatic Information	3(2-0-1)	Dr. Ravi Kiran
10	AAM-710	GIS: Principles and Application	3(2-0-1)	Dr. A. S. Nain
11	AAM-788	Seminar – I	1	Dr. R.K. Singh/ Dr. Rajeev Ranjan
12	AAM-789	Seminar–II	1	Dr. R.K. Singh/ Dr. Rajeev Ranjan
13	AAM-790	Thesis	45	
Optional Courses P.G. and Ph.D.				
14	AAM-525	Hydrometeorology	3(2-0-1)	Dr. R.K. Singh
15	AAM-538	Forest Meteorology	3(2-0-1)	Dr. Rajeev Ranjan
16	AAM-630	Crop Weather Models	3(2-0-1)	Dr. Rajeev Ranjan
17	AAM-632	Evapotranspiration	2(1-0-1)	Dr. Rajeev Ranjan
18	AAM-640	Weather Forecasting and Agro-advisories	3(2-0-1)	Dr. Ravi Kiran
19	AAM-650	Remote Sensing Applications in Agriculture	3(2-0-1)	Dr. Rajeev Ranjan
20	AAM-655	Computer Applications in Agrometeorology	3(1-0-2)	Dr. Rajeev Ranjan
21	AAM-703	Air Pollution Meteorology	3(2-0-1)	
22	AAM-704	Weather Climate and Livestock	3(2-0-1)	
23	AAM-705	Analytical Tools and Methods for Agrometeorology	3(2-0-1)	
24	AAM-708	Database Management and Commercialization of Agrometeorological Data in E-services	3(1-0-2)	
25	AAM-709	Weather Modification and Risk Management	3(2-0-1)	Dr. Ravi Kiran
26	AAM-715	Geo-information for Disaster Management	3(2-0-1)	

27	AAM-720	Sustainable Natural Resource Management	3(2-0-1)	
Minor Package for other Departments Courses Compulsory Courses				
1	AAM-503	Micrometeorology	3(2-0-1)	Dr. R.K. Singh
2	AAM-510	Generalmeteorology	3(3-0-1)	Dr. R.K. Singh
Four Credits optional to be selected from list of PG courses				