

**UNIVERSITY OF AGRICULTURAL SCIENCES,  
DHARWAD**



**PROSPECTUS & INSTRUCTIONS**

**FOR**

**POST GRADUATE  
DEGREE PROGRAMMES**

**2010**

Please read this Prospectus and Instructions before filling the Application Form

**UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD**

***Prospectus and Instructions***  
***for***  
***Postgraduate Degree Programmes***

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## UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD

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## POST GRADUATE PROGRAMMES

### ADMISSION FOR MASTER'S AND Ph.D. DEGREE PROGRAMMES

In pursuit of providing service to the farming community in the 7 northern districts of Karnataka State, India in modernizing agriculture. The College of Agriculture was established in 1947 at the Agriculture Research Station, Dharwad about 8 km away from the present University campus by the erstwhile Bombay State of Government. With the reorganization of states of India during 1956, the College came under the administrative control of the Department of Agriculture, Mysore State (later named as Karnataka State). The college was affiliated to Bombay University soon after its formation and then to Karnataka University, Dharwad in 1950. It became the constituent college of the University of Agricultural Sciences, Bangalore in 1965, and then came under the purview of the University of Agricultural sciences, Dharwad with effect from 1<sup>st</sup> October 1986, the day on which a separate University for the Northern Karnataka region was formed. The University has tri-fold functions of teaching, research and extension in the field of agriculture and allied sciences.

#### Mandate

- \* Making provision for imparting education in different branches of the study, particularly agriculture, horticulture, agribusiness, bio-tech, organic farming, forestry, home science;
- \* The advancement of learning and research, particularly in agriculture and other allied sciences;
- \* Undertaking the extension of such sciences to the rural people of the state; and
- \* Such other purposes as the State Government may, by notification in the Official Gazette, specify.

#### Mission

The mission of the University is to provide leadership in teaching, research and extension related to agriculture and allied sciences. The University has been making efforts to keep pace with new frontiers of science and contemporary developments to be socially, economically and technically relevant. The University is strongly committed to develop the needed excellent man power and useful technologies and their dissemination to serve the farming community of the State, in general, and of its jurisdiction, in particular.

#### Teaching

One of the missions of the University is to impart higher education in agriculture and allied sciences for creating and developing human resources for overall agricultural development of the country in general, and state, in particular. The Post Graduate programme leading to Master's and Ph.D. degrees are offered under University of Agricultural Sciences, Dharwad. The Master's degree programme in Agricultural Botany started in 1947 at Agricultural College, Dharwad under Karnataka University, Dharwad. Later, during 1950 to 1954, Master's degree programme was also

started in Soil Science and Agricultural Chemistry, Agricultural Entomology, Plant Pathology, Horticulture, Agronomy and Agricultural Economics. The major breakthrough in Postgraduate programme came in 1973 when the University of Agricultural Sciences, Bangalore started PG programme in many disciplines at the College of Agriculture, Dharwad. During 1977, the College of Rural Home Science under University of Agricultural Sciences, Bangalore commenced Master's degree programme in Foods and Nutrition and Child Development. After the establishment of University of Agricultural Sciences, Dharwad in 1986, many Postgraduate programmes were added during 1990s covering almost all the faculties.

The Ph.D. programme in Agricultural Botany started along with the Master's degree programme in 1947 at Agricultural College, Dharwad. The Ph. D. programme in Agronomy at Agricultural College, Dharwad was commenced during 1965 and by mid 1970s many departments in the College of Agriculture had Ph.D. programmes. After the establishment of University of Agriculture Sciences, Dharwad, Ph.D. programmes were started in the remaining disciplines in the College of Agriculture as well as College of Rural Home Science.

The Postgraduate teaching activities are carried out through three colleges in two campuses. All the colleges are accredited by ICAR with 'A' grade. The PG programmes are offered in different disciplines under semester system.

### **PG Strength**

About 250 students are admitted to various Master's degree and 50 students to Doctoral degree programmes every year. In addition, about 50 students selected through JRF examination of ICAR, New Delhi are being admitted to various Masters degree programmes every year. An average of ten foreign nationals are being admitted per year through Government of India. About 50% of PG students will get financial support from different sources like University, ICAR, GOK, GOI and private organizations.

### **Quality of Postgraduate Programme**

The University of Agricultural Sciences, Dharwad is one of the leading universities in the country, offering M. Sc. (Agri), M. H. Sc., M. Sc. (For.), MBA and Ph.D. programmes in almost all the major disciplines. These disciplines have well equipped laboratories, computer and internet facilities that help in imparting quality education.

The Postgraduate programmes of this University are rated quite high in India and abroad. Some of the indicators of quality Postgraduate education in this University are as follows:

- \* The University has collaborative project activities and MoU with foreign Universities like Ohio State University, Columbus, Ohio, USA; Texas A & M University, Texas, USA; and McGill University, Canada, as well as with some well known national institutes and laboratories and international institute like ICRISAT.
- \* Several Postgraduate theses of this University have been acclaimed at National level and many students have received the prestigious Jawaharlal Nehru Award for the Best Postgraduate Thesis (Ph.D.) from the ICAR, New Delhi.

- \* The PG students working at Institute of Agricultural Biotechnology have been able to produce confirmed independent transgenic events in pigeonpea and chilli and other crops.
- \* The PG research has contributed significantly in the development of hybrids and high yielding varieties, new technologies in crop production, crop protection, soil and water management, foods and nutrition, etc.
- \* Our Postgraduates have occupied important positions in national and international scientific and developmental organizations in large numbers.

### **Awards and Recognitions**

- \* The University bagged the prestigious “Sardar Patel Award” for the Best University during the year 2000-01.
- \* NSS activities in the University are adjudged as the best in the state as well as country for which UAS, Dharwad received the Indira Priyadarshini Award at National Level for the Best NSS Unit in the Country for the year 2001-02 from amongst 270 universities and the State NSS Best Award for the year 2000-01.
- \* The University bagged the II place during 2005-06, I place during 2006-07 and II place during 2007-08 and also 2008-09 among the State Agricultural Universities and Deemed Universities by bagging 42, 37, 32 and 27 ICAR Junior Research Fellowships, respectively.
- \* The University has been accredited for 5 years by the ICAR with “A” Grade
- \* The scientists of the University have received about 179 national and international awards.

### **Jawaharlal Nehru Awardees**

Sl. No.	Name	Department	Year
1.	Dr. G. R. Korawar	Agronomy	1992
2.	Dr. S.M. Mundingamani	Agricultural Economics	1993
3.	Dr. V. S. Korikanthimath	Agronomy	1996
4.	Dr. Pushpa Bharathi	Food Science & Nutrition	1999
5.	Dr. S. T. Kajjidoni	Genetics and Plant Breeding	2000
6.	Dr. B. Bhuvaneshwari	Food Science & Nutrition	2001
7.	Dr. Sarojini Karakannavar	Food Science & Nutrition	2002
8.	Dr. B. S. Patil	Genetics and Plant Breeding	2003
9.	Dr. Venkatesh Kulkarni	Genetics and Plant Breeding	2004
10.	Dr. Sunanda Itagi	Food Science & Nutrition	2005
11.	Dr. Pratima Bilehal	Food Science & Nutrition	2006
12.	Dr. Sanjaya B. Patil	Genetics and Plant Breeding	2007
13.	Dr. Vidya Mulimani	Agricultural Entomology	2008

## Master's and Doctoral Degree Programmes Offered in Different Campuses

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### Doctoral programme

The University of Agricultural Sciences, Dharwad is offering Doctoral programmes in the following subjects at Dharwad campus.

#### A) Agriculture Faculty

- |  |                                     |
|--|-------------------------------------|
| 1. Agribusiness Management             | 2. Agricultural Economics           |
| 3. Agricultural Entomology             | 4. Agricultural Extension Education |
| 5. Agricultural Microbiology           | 6. Agronomy                         |
| 7. Crop Physiology                     | 8. Genetics & Plant Breeding        |
| 9. Molecular Biology and Biotechnology | 10. Plant Pathology                 |
| 11. Seed Science & Technology          | 12. Soil Science                    |

#### B) Home Science Faculty

- |  |                                   |
|--|-----------------------------------|
| 13. Family Resource Management         | 14. Foods and Nutrition           |
| 15. Human Development & Family Studies | 16. Textile and Apparel Designing |

### Eligibility Criteria for Admission to Doctoral Programmes

The candidate should possess a Master's degree with CGPA / OGPA of not less than 2.50/4.00 or 6.50 / 10.00 or an equivalent CGPA / OGPA or an equivalent qualification from a recognized Agricultural University in the same subject in which candidate seeks to specialize in Ph.D. degrees. For SC/ST/Cat-I mere pass is enough.

**Note :** i) For Ph.D. in Molecular Biology and Biotechnology, candidates with Master's degree in Molecular Biology and Biotechnology / Plant Biotechnology / Genetics and Plant Breeding/ Agril. Botany / Agril. Microbiology / Plant Pathology / Agril. Entomology / Crop Physiology / Nematology / Agronomy / Horticultural Sciences / Seed Science and Technology / Forestry / Plant Biochemistry / Soil Science are eligible.

ii) For Ph.D. in Agribusiness Management Candidates with Master's degree in Agricultural Marketing and Co-op./Agril. Economics/Agribusiness Management from an Agricultural University are eligible.

### Master's programme

The University of Agricultural Sciences, Dharwad is offering Master's programmes in the following subjects at Dharwad and Sirsi Campuses.

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## Dharwad Campus

### Agriculture Faculty

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#### MBA (Agribusiness)

1. Agribusiness Management

#### M.Sc. (Agri.)

- |   |                               |
|---|-------------------------------|
| 2. Agricultural Economics               | 3. Agricultural Entomology    |
| 4. Agricultural Extension Education     | 5. Agricultural Microbiology  |
| 6. Agricultural Statistics              | 7. Agronomy                   |
| 8. Crop Physiology                      | 9. Genetics & Plant Breeding  |
| 10. Molecular Biology and Biotechnology | 11. Plant Biochemistry        |
| 12. Plant Pathology                     | 13. Seed Science & Technology |
| 14. Soil Science                        |                               |

### Home Science Faculty

#### M.H.Sc.

- |   |                                   |
|---|-----------------------------------|
| 15. Family Resource Management                          | 16. Foods and Nutrition           |
| 17. Home Science Extension and Communication Management |                                   |
| 18. Human Development and Family Studies                | 19. Textile and Apparel Designing |

## Sirsi Campus

#### M.Sc. (Forestry)

- |                              |                                 |
|------------------------------|---------------------------------|
| 20. Forest Genetic Resources | 21. Forest Watershed Management |
| 22. Plantation Technology    |                                 |
- 

### Eligibility Criteria

The candidate should possess a Bachelor's degree in the subject from a recognized university mentioned below for each subject group with CGPA / OGPA of not less than 2.25/4.00 or 6.00 / 10.00 or an equivalent CGPA / OGPA. For SC/ST/Cat-I candidates, mere pass is enough.

### Mode of admission

The candidate seeking admission including the deputed candidates from recognized State / Central Governments and Autonomous institutions of Masters degree programme shall apply for **only one subject group** of his/her choice and appear for written test for **50 marks** in that group

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covering all the subjects included under the group. Grouping of subjects and eligibility for each group for Masters degree admission are as follows:

<i>Group</i>	<i>Category</i>	<i>Subjects in the group</i>	<i>Eligibility</i>
<b>A</b>	<b>Crop Improvement</b>	<b>M.Sc. (Agri.) in</b> 1. Genetics and Plant Breeding 2. Seed Science and Technology 3. Crop Physiology 4. Plant Biochemistry 5. Molecular Biology and Biotechnology	Bachelor's degree in Agriculture/ Forestry / Horticulture from an Agricultural / Horticulture University.
<b>B</b>	<b>Crop Production</b>	<b>M.Sc. (Agri.) in</b> 1. Agronomy 2. Soil Science 3. Agril. Microbiology	Bachelor's degree in Agriculture from an Agricultural University.
<b>C</b>	<b>Crop Protection</b>	<b>M.Sc. (Agri.) in</b> 1. Agril. Entomology 2. Plant Pathology	Bachelor's degree in Agriculture / Forestry / Horticulture from an Agricultural University.
<b>D</b>	<b>Social Sciences</b>	<b>M.Sc. (Agri.) in</b> 1. Agril. Statistics 2. Agril. Economics 3. Agril. Extension Education* <b>MBA (Agribusiness) in</b> 4. Agribusiness Management	Bachelor's degree in Agriculture / Ag. Engg. / Agrimarketing & Cooperation / Forestry / Home Sc. / Horticulture / Vety. & Animal Sciences / Sericulture. (*Candidates with B.H.Sc. degree are not eligible for Agril. Extension Education) from an Agricultural University.
<b>E</b>	<b>Home Sciences</b>	<b>M.H.Sc. in</b> 1. Foods and Nutrition 2. Family Resource Management 3. Home Science Extension and Communication Management 4. Human Development and Family Studies 5. Textile and Apparel Designing.	Bachelor's degree in Home Science from an Agricultural University.

<b>F</b>	<b>Forestry</b>	<b>M.Sc. (Forestry) in</b>	
		1. Forest Genetic Resources	Bachelor's degree in Forestry
		2. Forest Watershed Management	from an Agricultural / Horticultural University
		3. Plantation Technology	

**Admission for the seats shall be made according to merit as indicated below:**

	<b>Max. Marks</b>
i) Weightage to the extent of 50 per cent marks in qualifying degree :	50
ii) Weightage to the extent of 50 per cent marks in Entrance Test :	50
<b>Total</b>	<b>100</b>

- NOTE :**
- a) To become eligible for admission a candidate shall have to secure a minimum of 50% of marks. This condition shall not apply to the candidates belong to SC/ST/ Cat.-I.
  - b) The candidates seeking Admission including the deputed candidates from recognized State / Central Governments and Autonomous institutions to Master's degree programme shall apply for one group of his/her choice and appear for a Written Test for 50 marks in a group covering all the subjects included under that group.
  - c) In case of candidates seeking re-admission, they have to appear for the Written Test in their concerned subject only.
  - d) The candidates seeking Admission including the deputed candidates from recognized State / Central Governments and Autonomous institutions to Doctoral degree programme shall apply for only one subject and take a Written Test for 50 marks in the concerned subject.
  - e) Eligible candidates will be required to attend the counselling at specified place at their own cost when called for and required to pay the fees.
  - f) The admission of candidates is subject to the following conditions:
    - i) Availability of seats
    - ii) Payment of prescribed fees at the time of counselling.

**DATE OF WRITTEN TEST :**  
**20.07.2010 (TUESDAY) AT 9:30 AM**  
**VENUE : DHARWAD CAMPUS**

## Brief Profile of the Departments Offering PG Programmes

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### I. Agriculture Faculty (Dharwad Campus)

#### 1. Agri-business Management

Number of PG teachers : 11

*Thrust areas of research:* Marketing management and trade: Retailing and SCM, future trading and price forecasting, Agri. Export performance and WTO, Financial Management: Project analysis, Risk analysis, Insurance and Microfinance, Institutional Management: Appraisals of Commodity boards, Cooperative marketing and processing institutions as well as private business institutions, Production Management: Crop, livestock, farm inputs and non farm enterprises management.

#### 2. Agricultural Economics

Number of PG teachers : 11

*Thrust areas of research:* Economic issues of organic farming & marketing of organic products, Policy analysis of sustainable agriculture & irrigation management, Issues relating to environmental economics, Impact of Technical Change, Economic evaluation of development programmes, Crop Diversification, Livelihood Systems, Soil reclamation, Utilization and Conservation of resources, Export and trade issues.

#### 3. Agril. Entomology

Number of PG teachers : 26

*Thrust areas of research:* Eco friendly approaches for the management of crop pests, Monitoring of resistance in field and storage pests, Determination of pesticide residues in crops and grains, Toxicology and Ecology, Development of IPM modules for crop pests, Biotechnological approaches for pest management, Insect Systematics, Acarology, Vermiculutre, Sericulture, Forest Entomology.

#### 4. Agril. Extension Education

Number of PG teachers : 17

*Thrust areas of research:* Diffusion and adoption of agricultural technologies, Impact analysis of agricultural and rural development programmes, Agricultural journalism and mass communication, Group dynamics and leadership, Empowerment of farmers and farm women, Gender issues in agriculture and youth development, Integrated Farming System evaluation studies, Documentation of indigenous technologies, Livelihood strategies in rural area, Utilization of IT in Rural Development Market led extension programme, HRD for organization development and Participatory approach in extension programme.

#### 5. Agricultural Microbiology

Number of PG teachers : 06

*Thrust areas of research:* Microbial biodiversity, Microbial Genetics, Multifunctional bioinoculants, Bioremediation, Mushroom, Probiotics and Nutraceuticals, Microbial, Bioactive compounds, Biodegradation and Microbial biofuels.

## 6. Agricultural Statistics

Number of PG teachers : **06**

*Thrust areas of research:* Design of experiments, Statistical inference, Modelling and Sampling techniques.

## 7. Agronomy

Number of PG teachers : **25**

*Thrust areas of research:* Remote sensing for crop acreage and Productivity estimation, Site specific (Precision) nutrient management in crops and use of ready-reckoner management tools for crop production, GIS application in crop research management, Precision Farming, Crop interaction in allelopathy, Drought proofing techniques in field crops, Management of transgenic crops, Intensive integrated farming systems, Pressurized irrigation for efficient use of water resource, Crop interaction and allelopathy, Forage – Animal interaction, Studies on Natural Resource Management, Studies on best agronomic practices for sustainable crop production, Organic farming and sustainable agriculture, Integrated farming systems.

## 8. Crop Physiology

Number of PG teachers : **11**

*Thrust areas of research:* Technologies for drought, salt tolerance and enhancing water use efficiency. Identification and breeding for higher nutrient use efficiency in crop plants and biofortification of cereals with micronutrients (Fe and Zn), Enhancement of host plant resistance with nutrition, Enhancing sustainable crop productivity under changing environmental conditions, Post harvest technologies and value addition, Crop modeling for major crops and identifying the plant ideotype, Regulation of plant growth and enhancing the productivity using plant growth regulators, Weed science and herbicide physiology, Phyto-remediation of saline soils and heavy metals and Reproductive physiology & seed physiology.

## 9. Genetics and Plant Breeding

Number of PG teachers : **27**

*Thrust areas of research:* Germplasm characterization and utilization, Genetic enhancement of crop plants for yield and quality, Genetic improvement for biotic and abiotic stress resistance and Molecular breeding including Marker Assisted Selection (MAS) and transgenics, Application of Cytogenetics for crop improvement.

## 10. Plant Biochemistry

Number of PG teachers : **04**

*Thrust areas of research:* Enzymes and isozyme characterization, Soil Biochemistry, Vedic Agriculture and Allelochemicals, Home organic farming, Nutraceuticals, Clinical Biochemistry, Plant Secondary metabolites.

## 11. Molecular Biology & Biotechnology

Number of PG teachers : **06**

*Thrust areas of research:* Translational Genomics for biotic and abiotic stress tolerant crops, Cloning and characterization of Agriculturally important genes, promoters and other elements.

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Crop genomics and Bioinformatics, Gene discovery, functional and comparative genomics. Metagenomics, RNAi and PTGS, small RNAs and synthetic promoters and Molecular and immuno diagnostics.

## **12. Plant Pathology**

Number of PG teachers : **25**

*Thrust areas of research:* Epidemiology and Integrated management of plant diseases, Pathogenesis and molecular characterization of plant pathogens, Survey and surveillance of crop diseases and crop loss assessment, Plant-Virus-Vector relationships, Development of disease prediction models in disease forecasting and Soil borne diseases and their interactions with plant parasitic nematodes.

## **13. Seed Science and Technology**

Number of PG teachers : **15**

*Thrust areas of research:* Standardization of seed production techniques under micro irrigation and fertilization, Development of post-harvest and storage techniques in various field crops, Production techniques of genetically and physically pure seeds, Identification of genetic purity through Molecular techniques and Standardization of seed vigour testing techniques for various field crops, biochemical and Molecular Characterization of crop varieties, Seed processing post harvest technology, Integrated Management of Seed borne diseases and pests, Germplasm conservation.

## **14. Soil Science**

Number of PG teachers : **14**

*Thrust areas of research:* Soil resource inventory through Remote Sensing and GIS, Nutrient use efficiency, Agricultural Utility of Solid & Liquid Wastes, Pesticide Residue as contaminants in soils and crops, Management of problematic soils and poor quality waters, Agricultural utility of agro-based and other industrial wastes, Soil salinity and amelioration, Monitoring of pollutants in soil, air and water.

## **15. Home Science Extension & Communication Management**

Number of PG teachers : **04**

*Thrust areas of research:* Impact of Rural Development Programmes, Women perspectives, Communication media, Mass media and rural development, Role of microenterprises for economic development, Empowerment of women, entrepreneurial education in journalism.

## **16. Family Resource Management**

Number of PG teachers : **05**

*Thrust areas of research:* Advances in resource management, Consumer ergonomics, Resource management, Consumerism, Consumer economic issues, Product design, testing and evaluation and Family dynamics and women in agriculture, Entrepreneurship development.

### 17. Foods and Nutrition

Number of PG teachers : 10

*Thrust areas of research:* Grain science and technology (cereals pulses and oil seeds), a. Processing, b. Value addition, c. Varietal study, d. Product development. Processing and value addition to fruits and vegetables, Revival of traditional / ethical foods, Nutrition approaches to community health problem, Nutrition for special groups: Space / Sports / Defence and Food safety and quality control.

### 18. Human Development & Family Studies

Number of PG teachers : 07

*Thrust areas of research:* Infant studies, Psycho - social development during early childhood, late childhood & adolescence, adulthood and old age. Children with disabilities & inclusive education, Gender analysis in development and behaviour, Family relations , Interventions for Conduct Problems/ Maladjustment , Child Neglect & Abuse, Parenting Stress of Disabled children.

### 19. Textile and Apparel Designing

Number of PG teachers : 04

*Thrust areas of research:* Agro based fibers and Blends (Yarn and fabric), Minor textile fibers, Clothing for special needs, Surface ornamentation, Computer Aided Textile Designing, Eco-friendly bio-degradable textiles, Natural dyeing and printing, Textile conservation, Structure and functioning, EXIM policies, Entrepreneurship development, Functional clothing, Physical and chemical assesment of textile materials, Special finishes and Fashion and apparel designing.

### 20. Forest Biology & Tree Improvement

\* Degree programme offered:  
**Forest Genetic Resource**

Number of PG teachers : 06

*Thrust areas of Research:* Forest Genetics and Tree Improvement, Tree domestication, Carbon sequestration, Tissue Culture, Biological control of disease and pests, Forest seed storage and handling, Microbial genetic resources, Biocontrol of disease / pests, Germination studies in tree species , Biodiversity and conservation of tree species, Bio prospecting.

### 21. Natural Resource Management

\* Degree programme offering :  
**Forest Watershed Management**

Number of PG teachers : 06

*Thrust areas of Research:* Remote sensing and GIS application in forest watershed, Integrated Watershed Management Techniques (IWMT), ICT application in Natural Resource Management, Non conventional Energy Resources and Sustainable Natural Resource Manaement.

### 22. Silviculture and Agroforestry

\* Degree programme offering : **Plantation Technology**

Number of PG teachers : 04

*Thrust areas of Research:* Nursery and plantation techniques, Propagation techniques, Waste land reclamation, Vegetation analysis, Biomass estimation and carbon sequestration.

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### **Facilities available**

The facilities for teaching and research include well-equipped laboratories. The campus is well equipped for research from genomics to field scale trials to study environmental factors on growth of crop plants. There are extensive, modern, well equipped laboratories containing a wide range of analytical equipments, tissue culture rooms and molecular biology equipment. The laboratories in most of the departments house state-of-the-art facilities for carrying out a wide range of research. Equipments which are rarely found in other educational institutions such as HPLC, GLC, PCR, RS/GIS etc. and facilities such as Polyhouses, shade houses and mist houses, Rhizotron and Rainout shelter facility, environmental chambers, Molecular laboratory, Functional molecular biology laboratories, Plant cell and tissue culture and transformation facility, Transgenic containment facility and green houses, Microbial resources molecular biology facility, etc. are available for learning.

### **University Placement Cell & Career opportunities**

The University has a competent Student Placement Cell, which serves as a hub for counselling and placement activities with the main motto of enhancing employability of agriculture graduates. Some of our graduates are well placed in public sector organisations, banks, NGOs, private sector business organisations, hospitals etc. both at state and national level.

## Fees: For all Faculties

**Table 1. Fees structure for General merit students**

Sl. No.	Particulars	First Year		Second & Subsequent Years				
		I Sem.	II Sem.	I Semester				II Sem
		Master's & Doctoral	Master's & Doctoral	Master's		Doctoral		Master's & Doctoral
		Full/ Part Time	Full/ Part Time	Full Time	Part Time	Full Time	Part Time	Full/ Part Time
1	2	3	4	5	6	7	8	9
1.	Registration	300	300	300	300	300	300	300
2.	Tuition	2000	--	2000	1400	2000	1400	--
3.	Laboratory	1300	--	1000	1000	1100	1100	--
4.	Admission	700	--	--	--	--	--	--
5.	Library	800	800	800	800	800	800	800
6.	Sports	150	150	150	150	150	150	150
7.	Academic Information & Regulation	150	--	--	--	--	--	--
8.	Magazine	150	--	150	150	150	150	--
9.	Medical	130	--	130	130	130	130	--
10.	Association fee/Club	250	--	250	250	250	250	--
11.	Students Aid Fund	130	--	130	130	130	130	--
12.	Caution money	2000	--	--	--	--	--	--
13.	Tour	500	500	500	500	500	500	500
14.	Insurance coverage for accidents (per year)	350	--	350	350	350	350	--
15.	Examination	1000	1000	1000	1000	1000	1000	1000
	<b>Total (Rs)</b>	<b>9910</b>	<b>2750</b>	<b>6760</b>	<b>6160</b>	<b>6860</b>	<b>6260</b>	<b>2750</b>

**Note:** Tuition and other course fees paid by students admitted to the University shall not be refunded.

**Table 2. Fees structure for SC/ST/Cat.I and Other Category students**

Sl. No.	Particulars	First Year				Second & Subsequent Years					
		I Sem.		II Sem.		I Sem				II Sem	
		Master's & Doctoral		Master's & Doctoral		Master's	Doctoral	Master's	Doctoral	Master's & Doctoral	
		SC/ST/Cat.-I	Other Cat.	SC/ST/Cat.-I	Other Cat.	SC/ST/ Cat.-I		Other Cat.-I		SC/ST/Cat.-I	Other Cat.
1	2	3	4	5	6	7	8	9	10	11	12
1.	Registration	300	300	300	300	300	300	300	300	300	300
2.	Tuition	--	1400	--	--	--	--	1400	1400	--	--
3.	Laboratory	--	1100	--	--	--	--	1000	1100		
4.	Admission	--	700	--	--	--	--	--	--	--	--
5.	Library	--	800	--	800	--	--	800	800	--	800
6.	Sports	50	150	50	150	50	50	150	150	50	150
7.	Academic Information & Regulation	150	150	--	--	--	--	--	--	--	--
8.	Magazine	150	150	--	--	150	150	150	150	--	--
9.	Medical	--	130	--	--	--	--	130	130	--	--
10.	Association fee/Club	250	250	--	--	250	250	250	250	--	--
11.	Students Aid Fund	130	130	--	--	130	130	130	130	--	--
12.	Caution money	2000	2000	--	--	--	--	--	--	--	--
13.	Tour	500	500	500	500	500	500	500	500	500	500
14.	Insurance coverage for accidents (per year)	350	350	--	--	350	350	350	350	--	--
15.	Examination	--	--	--	--	--	--	--	--	--	--
	<b>Total (Rs)</b>	<b>3880</b>	<b>8110</b>	<b>850</b>	<b>1750</b>	<b>1730</b>	<b>1730</b>	<b>5160</b>	<b>5260</b>	<b>850</b>	<b>1750</b>

**Note:** Tuition and other course fees paid by students admitted to the University shall not be refunded.

**Number of JRFs / UAS Merit Scholarships Awarded during 2009-10**

Sl. No.	Departments	JRF		UAS Merit Scholarship			
				Ph. D.		M. Sc.	
		M	F	M	F	M	F
<b>Dharwad campus</b>							
1.	Agribusiness Management	-	-	01	01	04	03
2.	Agricultural Economics	01	01	01	-	04	01
3.	Agricultural Entomology	-	-	03	-	03	03
4.	Agril. Extension Education	02	-	01	-	01	01
5.	Agricultural Microbiology	-	-	-	01	-	02
6.	Agronomy	02	-	03	-	04	-
7.	Crop Physiology	01	01	01	-	02	-
8.	Genetics and Plant Breeding	-	-	-	-	03	04
9.	Horticulture	01	-	-	01	02	01
10.	Plant Biotechnology	-	-	-	-	01	01
11.	Plant Pathology	02	-	-	-	02	-
12.	Seed Science and Technology	-	-	02	-	04	-
13.	Soil Science & Agril. Chemistry	01	-	-	-	-	-
14.	Agril. Statistics	-	-	-	-	01	01
15.	Food Science and Nutrition	-	-	-	01	-	06
16.	Human Development	-	-	-	02	-	02
17.	Textiles and Apparel Designing	-	-	-	-	-	01
18.	Family Resource Management	-	-	-	-	-	-
19.	Extn. & Communication Mgt.	-	-	-	-	-	02
20.	Plant Biochemistry	-	-	-	-	-	01
<b>Sirsi Campus</b>							
21.	Forestry	-	-	-	-	02	01
<b>Total</b>		<b>10</b>	<b>02</b>	<b>12</b>	<b>06</b>	<b>33</b>	<b>30</b>
M : Male		F: Female					

**ROSTER CYCLE FOR ADMISSION TO VARIOUS PG DEGREE PROGRAMMES FOR THE ACADEMIC YEAR 2009-10**

Sl. No.	Departments	Total No.of seats	Category-wise distribtution of seats							
			GM	SC	ST	I	2A	2B	3A	3B
1	2	3	4	5	6	7	8	9	10	11

**Masters' degree Programmes**

**1) Dharwad campus - Agriculture Faculty**

1.	Agri.Business Management	10	5	1	1	1	1	1	-	-
2.	Agril. Economics	10	5	1	-	1	2	-	-	1
3.	Agril. Entomology	10	5	2	-	-	1	1	-	1
4.	Agril. Extn. Education	10	5	1	1	1	1	-	1	-
5.	Agril. Microbiology	06	3	1	-	-	-	1	-	1
6.	Agril. Statistics	06	3	1	-	1	1	-	-	-
7.	Agronomy	10	5	1	1	-	1	-	1	1
8.	Crop Physiology	08	4	1	-	-	1	1	-	1
9.	Genetics and Plant Breeding	12	6	2	1	-	2	-	-	1
10.	Plant Biochemistry	04	2	1	-	-	1	-	-	-
11.	Molecular Biology & Biotechnology	5	2	1	-	-	1	-	1	-
12.	Plant Pathology	10	5	2	-	-	2	-	1	-
13.	Seed Science and Technology	10	5	1	-	1	2	-	1	-
14.	Soil Science	10	5	2	-	-	2	1	-	-
<b>Total</b>		<b>121*</b>	<b>60</b>	<b>18</b>	<b>4</b>	<b>5</b>	<b>18</b>	<b>5</b>	<b>5</b>	<b>6</b>

Prospectus  
for Post Graduate Programmes

1	2	3	4	5	6	7	8	9	10	11
<b>2) Home Science Faculty</b>										
1.	Home Science Extension and Communication Management	05	2	1	-	-	1	-	-	1
2.	Family Resource Management	04	2	1	-	-	1	-	-	-
3.	Foods Science and Nutrition	08	4	1	-	-	1	1	-	1
4.	Human Development & Family Studies	08	4	1	1	1	1	-	-	-
5.	Textile and Apparel Designing	04	2	1	-	-	-	-	1	-
<b>Total</b>		<b>*29</b>	<b>14</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>2</b>
<b>3) Sirsi Campus - Forestry Faculty</b>										
1.	Forest Genetic Resources	05	2	1	-	-	1	-	-	1
2.	Forest Watershed Management	04	2	1	-	1	-	-	-	-
3.	Plantation Technology	04	2	1	-	-	1	-	-	-
<b>Total</b>		<b>13</b>	<b>6</b>	<b>3</b>	<b>-</b>	<b>1</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>1</b>
<b>Grand Total</b>		<b>163</b>	<b>80</b>	<b>26</b>	<b>5</b>	<b>7</b>	<b>24</b>	<b>6</b>	<b>6</b>	<b>9</b>

**Ph.D. Degree programme, Dharwad campus**

<b>1. Ph.D.</b>	<b>45</b>	<b>22</b>	<b>7</b>	<b>1</b>	<b>2</b>	<b>7</b>	<b>2</b>	<b>2</b>
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\*Seats will be allotted on Inter-se Merit in respective subjects

Note : In addition to above, if other wise found suitable seats will also be allotted based on performance in qualifying examination as follows.

1. A maximum extent of 3 seats each for children of EXS/DEF/Freedom-fighter will be allotted based on inter-se merit one in each department following horizontal reservation.
2. For Physically Challenged category about 3% of total seats shall be reserved as per Govt. norms.
3. One seat is reserved each for candidates who excelled in sports and games, NCC,NSS and Cultural / Literary / Fine arts activities (Total four seat for Masters Degree only). Enclosure of certificate to claim the seat is mandatory.
  - a. Allotment of seat under NSS quota: Candidates should have served as volunteers for two years at UG level and the allotment of seats in the following order.
    - i) Attended national RD camp, state RD camps.
    - ii) Won prizes in NIC-NSS camps
    - iii) Participated in annual camps and won prizes
  - b. Allotment of seats under NCC quota in the following order
    - i) Participated in RD parades at national and state level.
    - ii) For 'C' certificate
    - iii) For 'B' certificate
  - c. Allotment of seats under Sports and Games, Cultural / Literary / Fine Arts activities etc.
    - i) Participated in inter-university competitions and won prizes I, II and III in that order.

Reservation of seats will be as per roster prescribed by the State Government from time to time (Production of a "Caste - Income Certificate" issued by concerned authority, in support of the claim is mandatory). Twenty five per cent of seats are placed at the disposal of ICAR in each Department for allotment to different categories in accordance with ICAR Rules governing admission.

**Kashmiri Migrants** : One seat is reserved for Kashmiri migrants.

## **Registration of Students**

The Candidates finally selected for admission will be required to be present at the respective College of the University on the notified date. The Head of the Department will be advise the students admitted about the courses. Following the advise, all the students admitted will be required to fill up the registration forms and complete formalities of registration on the date notified to ensure that they are enrolled for the degree programme.

## **Duration of programmes**

Minimum duration shall be four semesters for Master's programmes and six semesters for Doctoral programme. Maximum duration shall be eight and 12 consecutive semesters from the date of admission for Master's and Doctoral programmes, respectively.

## **Semester System of Teaching**

Under the Semester System of Education, a student has to register for certain number of courses in each Semester.

## **Examination**

Under the internal evaluation system, the performance of the students in each course will be evaluated by the teacher concerned. The daily class performance by the student, the marks obtained at the mid-session and other examinations specified in the University regulation will be considered for internal evaluation. In addition to these course examinations, the student has to pass the qualifying examination, complete the research work, viva-voce and fulfill other requirements as prescribed under the regulations.

Students who are awarded scholarship by the University are exempted from payment of only tuition fees prescribed under these regulations.

Students who are exempted from the payment of tuition fees shall get reimbursement of the tuition fees paid by them in each academic year, if they have already paid the fees prior to the announcement of scholarship.

All fees prescribed shall be paid to the "**Comptroller, UAS, Dharwad-580 005**" on or before the date notified by the Registrar.

Registration fees shall not be refunded once the student has registered for courses in the University. Tuition, Courses and other fees shall not be refunded except when students registering for a semester are forced to drop out from the semester by the University for any reasons other than on disciplinary grounds.

Registration for the semester shall not be completed until the registration fees is paid.

Attendance in classes shall not be permitted until all prescribed fees have been paid, except in case where the students are exempted from the payment of fees.

## **Scholarships**

One merit scholarship for every 10 students or part thereof shall be awarded to each of the subjects under the Masters as well as Ph.D. degree programmes during academic year at each College, excluding departmental candidates and sponsored candidates who are drawing their salaries.

Merit Scholarships of the values of Rs.800/- per month for Master degree students and Rs. 1,200/- per month for Ph.D. students are awarded subject to the availability of deserving and merited candidates.

All the SC/ST Students admitted to Masters and Ph.D. are also eligible to get SC/ST Fellowship of Rs.800/- and Rs.1,000/- respectively.

The difference of amount will only be paid to the students who are getting some other scholarship from the Government and other agencies. Research fellowships will be available in the sponsored schemes based on the provisions.

Ph.D. students are also entitled for Work Assistanceship of not exceeding Rs. 1,000/- per month, if they are not getting any other financial assistance from any source.

## **University Library**

The University Library has a collection of 80,906 books, 502 current journals of which 411 are Indian and 91 are foreign, 24,253 back volumes, 5,195 reports, 7,722 pamphlets, 5,507 gifts and 9,154 theses (both M. Sc. & Ph.D.).

- \* E-journals and digital library facilities are provided to students.
- \* Library is kept open from 8.00 AM to 9.00 PM. Library has adopted Open Access System.
- \* Readers can borrow 5 books at a time and keep them for a period of a fortnight.
- \* Text book bank facility for SC/ST students is available. Books are issued to such students for a Semester without any charge, in addition to borrowing facilities from the general collection.
- \* Library also has a General Book Bank Scheme, where, books are lent on rental basis at Rs. 5/- per Semester per book. Maximum 3 books will be given to each student. In addition, a separate JRF books collections for JRF and NET examinations has been maintained. Reading materials for Competitive Examinations are kept separately. Atlas, Maps, Encyclopedias, Handbooks are also available in Reference Section.
- \* Inter-Library loan facility is available.

- \* There is a concessional photo copying facility for students, which is kept open during library hours. A separate thesis section wherein the thesis of not only UAS, Dharwad but also the thesis from UAS, Bangalore received on exchange basis are kept for reference. On-line Public Access Catalogue (OPAC) has also been kept ready for reader's benefit. Online CD-ROM data base search and internet access for the benefit of staff and students are provided. Several internet terminals and E-Governance facility have been introduced in the library. Proposals are being made to increase the subscription to number of international journals.

## **Hostels**

Hostel accommodation will be provided to the extent available on the campus. There are four PG hostels for boys and one hostel exclusively for girls in the main campus. In addition, PG students are also accommodated in UG hostels. Full-pledged hostel facility for international students is available at University's main campus. In all, thirty furnished single-occupancy accommodation (complete with attached bath room) is available for these students. Presently, post graduate students hailing from Ethiopia, Nepal, Sri Lanka and Afghanistan are housed. Ten kitchenettes have been set up for use by them. Other facilities created so far include telephones, a television with a cable connection, refrigerators, iron boxes, a washing machine, a vacuum cleaner and pure drinking water obtainable through reverse osmosis system. Internet facility is available to the inmates of the hostels. Uninterrupted power supply system has been provided.

Application in the prescribed form for admission to the hostel by the student admitted to University should be submitted to the Hostel Warden well in advance of the commencement of the academic year. The application forms can be had from the Office of the Hostel Warden on payment of Rs.50-00 in cash or by sending the amount by crossed Indian Postal Order/Crossed demand draft endorsed to the Warden of the respective College Hostels together with a self addressed cover. The Students shall have to pay Rs.5,000/- (Rs.4,000/-for SC&ST) towards mess deposit at the time of admission to the Hostel. In addition to the above fees, the boarder shall have to pay a room rent of Rs. 50/- and Rs. 50/-as maintenance charge per month. He shall also pay the mess charges, electricity charges and establishment charges etc. as per hostel regulations.

The Mess Deposit and the caution money deposits are refundable after the end of the academic period after deducting dues, if any.

## **University Cafeteria**

There are cafeterias in all the campuses for the benefit of the students and staff. At the main campus, there are two cafeterias serving all kinds of foods, beverages with good dining facilities.

## Medical Facilities

Medical facilities are available in all the teaching campuses of the University. At the main campus we have a well equipped dispensary with two qualified doctors. The university has recognized several hospitals for specialized treatments.

## General

- \* The students admitted to the University shall abide by the rules and regulations prescribed by the University from time to time.
- \* If any incident of ragging comes to the notice of the authorities, the concerned student shall be given liberty to explain and if his explanation is not found satisfactory, the authorities would expel him from the Institution.
- \* In-service candidates of UAS, Dharwad and other Organisations need to send their application through proper channel failing which their application will be rejected.
- \* In-service candidates need to produce relief order from their organisation at the time of registration.

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