



3. PhD thesis of Mr. Abdullah, Regd. No. 2006-ag-1764, a PhD Scholar, will be placed w.e.f. 27-12-2016 to 05-01-2017 in the Conference Room/Library, National Institute of Food Science & Technology, UAF prior to its submission for foreign evaluation. The faculty and students are invited to pursue the thesis for any suggestions/corrections.

#### PhD THESIS/SYNOPSIS DEFENSE

1. Miss Asma Noureen, Regd. No. 2007-ag-181, PhD student, Department of Zoology, Wildlife & Fisheries, will deliver a seminar in defense of her PhD thesis entitled, "Assessment of heavy metals induced genotoxicity in the fish by using single cell gel electrophoresis" on 29-12-2016 at 09:00 am in the Seminar Room, Department of Zoology, Wildlife and Fisheries, UAF. The members of supervisory committee are requested to make it convenient to attend and evaluate. All interested are also cordially invited.
2. Mr. Ahmad Waqas, Regd. No. 2010-ag-503, PhD student of the Institute of Soil and Environmental Sciences will defend his thesis in a seminar at the University level on 29-12-2016 at 09:00 am in the Video Conference Room, Institute of Soil and Environmental Sciences. The title of his thesis is "Metal-microbe interaction in municipal solid waste compost amended soil and its effect o maize (*Zea mays L.*) growth". All the faculty members are requested to attend the presentation.
3. Mrs. Asia Naseem, Regd. No. 2014-ag-9701, a PhD student of Economics will defend her synopsis on 31-12-2016 at 10:00 am in the Council Room of Faculty of Social Sciences. The title of her synopsis is "Measuring the displacement effect of China on Pakistan's industry in domestic and global market". All the teachers and students of the faculty as well as other who are interested are requested to attend the seminar please.
4. Ms. Adeela Manzoor, Regd. No. 2012-ag-633, a PhD student of the Department of Rural Sociology will defend her synopsis entitled "Training Needs Assessment for the Female Farmers to Reduce the Post-Harvest Losses in Punjab-Pakistan" on 29-12-2016 at 12:30 am at Seminar Room (W.T.O Cell), UAF. All interested are cordially invited to attend.
5. Miss Sumra Mushtaq, Regd. No. 2009-ag-3096, a student of PhD Agricultural Engineering, Department of Irrigation and Drainage, UAF will defend her synopsis at the University level on 06-01-2017 at 02:00 pm in the Library of Faculty of Agricultural Engineering and Technology. The title of her synopsis is "Model swapping: An application to flow regimes in the context of Agriculture". All the faculty members and students are requested to attend the seminar/synopsis defense.
6. Mr. Muhammad Aslam, Regd. No. 2009-ag-2844, a PhD student of the Department of Entomology, will defend his PhD synopsis entitled "Molecular identification, characterization and transmission study of oilseed crops associated phytoplasma and their insect vectors" on 30-12-2016 at 11:00 am in the Video Conference Room, UAF. All concerned are requested to attend and contribute.
7. Mr. Mujahid Manzoor, a PhD student Regd. No. 2006-ag-1700 of the Department of Entomology, will defend his PhD research thesis entitled "Demography, Bio-Ecology and Integrated Management of the Red Palm Weevil, *Rhynchophorus Ferrugineus* (Coleoptera: Curculionidae) in Pakistan" on 30-12-2016 at 02:00 pm in the Video Conference Room in Faculty of Agriculture, UAF. All concerned are requested to attend and contribute.
8. Mr. Mudassar Anwar Butt, Regd. No. 2009-ag-3075, a student of PhD Agricultural Engineering, Department of Irrigation and Drainage, UAF will defend his synopsis at the University level on 29-12-2016 at 11:00 am in the Library of Faculty of Agricultural Engineering and Technology. The title of his synopsis is "Climate Change Impact on Groundwater Resources in Lower Chenab Canal Command Area of Pakistan". All the faculty members and students are requested to attend the seminar/synopsis defense.
9. Mr. Muhammad Rizwan Shoukat, Regd. No. 2009-ag-3147, a student of PhD Agricultural Engineering, Department of Irrigation and Drainage, UAF will defend his synopsis at the University level on 04-01-2017 at 11:00 am in the Library of Faculty of Agricultural Engineering and Technology. The title of his synopsis is "Designing and Evaluating SMART Irrigation System for Improving Water Use Efficiency in Tunnel Farming". All the faculty member and students are requested to attend the seminar/synopsis defense.
10. Mr. Zulqarnain Khan, Regd. No. 2012-ag-85, the PhD student of CABB will defend his PhD thesis at University level on 31-12-2016 at 02:00 pm in the Video Conference Room, Faculty of Agriculture. The title of his thesis is "Use of transcription activator like effectors to suppress cotton leaf curl virus". All the faculty members are requested to attend the presentation.
11. Rana Arif Manzoor Khan, Regd. No. 84-ag-1085, PhD student of the Department of Plant Breeding and Genetics will defend his PhD thesis in the Video Conference Room on 31-12-2016 at 02:00 pm. All concerned are requested to make it convenient to attend and contribute for improving the thesis. The title of his thesis is "Genetics of water deficit stress tolerance in hexaploid wheat (*Triticum aestivum L.*)".
12. Mr. Syed Arshad Ali Rizvi, Regd. No. 2007-ag-1540, PhD student, Department of Clinical Medicine and Surgery will defend his synopsis entitled "Effects of minerals supplementation on milk production, composition and immune status in dairy camels" on 31-12-2016 at 10:30 am in the Museum of Faculty of Veterinary Science. All faculty members and their post-graduate students cordially invited to participate in the seminar for their valuable suggestions.
13. Mr. Muhammad Awais Ali Khan, Regd. No. 2009-ag-2455, a PhD student of the Institute of Agricultural Extension & Rural Development will defend his synopsis entitled "Android system an emerging strategy to disseminate agricultural information among farmers to ensure food security in, Punjab, Pakistan" on 31-12-2016 at 10:30 am in the Seminar Room of the Institute of Agricultural Extension & Rural Development, UAF. All interested are cordially invited to attend.
14. Miss Nadia Nazish, Regd. No. 2007-ag-184, PhD student, Department of Zoology, Wildlife & Fisheries, has successfully defended her PhD thesis entitled "Genetic structure of Chinese carps in Punjab as revealed by DNA markers" on 23-12-2016 as required under rules.
15. Mr. Hafiz Muhammad Nauman, Regd. No. 2008-ag-2668, PhD student, in Department of Farm Machinery and Power, Faculty of Agricultural Engineering and Technology, UAF has successfully defended his PhD synopsis on 22-12-2016. The proposed title of his PhD synopsis was "Design, Development and Experimental Investigation of Variable Rate Sprayer Using on the go Sensors". The supervisory committee has approved his synopsis title with minor changes as "Design and Development of Real Time Automated Spraying System for Variable Rate Application".

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16. Miss Shazia Perveen, Regd. No. 2013-ag-1652, PhD Chemistry student of the Department of Chemistry has successfully defended her synopsis entitled "Development of Biochar Based Nanocomposites for Wastewater Purification" as required under the rules on 09-12-2016.
17. Nabila Rashid, Regd. No. 2011-ag-15, has successfully defended her PhD synopsis on 13-12-2016. The title of her synopsis is "Induction of Heat tolerance in Quinoa with Exogenous use of Ascorbic Acid, Hydrogen Peroxide and Plant Extracts". The Supervisory Committee found her synopsis defense satisfactory.
18. Mr. Muhammad Azam, Regd. No. 2009-ag-2530, student of PhD has successfully defended his synopsis on 16-12-2016 at 09:00 am in the Video Conference Room of National Institute of Food Science & Technology, UAF. The title of his synopsis is "Microencapsulation of Lactobacillus rhamnosus with Fructooligosaccharide Biopolymeric system in Mozzarella Cheese".
19. Mr. Muhammad Shoab Aslam, Regd. No. 2015-ag-2316, PhD student of National Institute of Food Science & Technology, UAF, has successfully defended his PhD synopsis on 10-12-2016. The title of his PhD synopsis is "Probing the Nutritional and Therapeutic Potential of Sea Buckthorn from Pakistan through Value Added Food Products".
20. Miss Faiqa Javed, Regd. No. 2007-ag-1010, PhD student of National Institute of Food Science & Technology, UAF, has successfully defended her PhD synopsis on 10-12-2016. The title of her PhD synopsis is "Development and Evaluation of Ready-To-Use Therapeutic Food from Indigenous Sources to Tackle Malnutrition".
21. Miss Aliya Hanif, Regd. No. 2009-ag-2756, PhD student of the Institute of Horticultural Sciences has successfully defended her synopsis in a seminar held on 17-12-2016 at 10:30 am in the Video Conference Room DLC 2, UAF. The title of her synopsis is "Postharvest management to maintain the quality and shelf life of Papaya under cold storage".
22. Mr. Muhammad Tahir bearing Regd. No. 2005-ag-1558, a PhD student of the Department of Entomology, UAF has successfully defended his PhD thesis on Saturday dated 26-11-2016. The title of his thesis was "Toxicity of microbial insecticides and chlorantraniliprole for the control of Helicoverpa armigera (Hübner) on chickpea".
23. Mr. Muhammad Waqar Alam Regd. No. 2006-ag-1950, a PhD student in Department of the Plant Pathology has been successfully defended his PhD thesis at University level on 17-12-2016. The title of his thesis was "Dynamics of stem end rot disease of mango fruit and its management".
24. Miss Tehreem Naz, Regd. No. 2013-ag-991, PhD Chemistry student of the Department of Chemistry has successfully defended her synopsis titled "Synthesis of Tetrahydronaphthalene by Gold-Catalyzed Transformation of 1, 5-Enynes System" as required under the rules on 09-02-2016. This topic has been modified with minor alterations in response to suggestions given during synopsis defense as "Synthesis of Tetrahydronaphthalene by Gold-Catalyzed Transformation of 1, n-Enynes System".
25. Mr. Muhammad Irfan, Regd. No. 2013-ag-1281, PhD student of the Institute of Soil and Environmental Sciences has successfully defended his synopsis in a seminar at the University level on 16-12-2016 at 10:00 am in the Library of the Institute of Soil and Environmental Sciences. The title of his synopsis is "Substrate dependent microbial production of auxin for improving growth and yield of soybean".
26. Ms. Saira Siddiqui, Regd. No. 2014-ag-91, PhD student (Rural Sociology) of the Department of Rural Sociology has successfully defended her PhD thesis on 23-12-2016. The title of her thesis is "Cultural Values about Gender Inequality, Equity, Social justice and their Implications for Women's health in Rural Punjab, Pakistan".
27. Miss Wardah Hassan, Regd. No. 2008-ag-494, PhD student, Department of Zoology, Wildlife & Fisheries, has successfully defended her PhD thesis entitled "Assessment of hematology, serum biochemistry and DNA integrity in major carps under the influence of heavy metals" on 16-12-2016 as required under the rules.
28. Miss Shakeela Parveen, Regd. No. 2010-ag-666, PhD student, Department of Zoology, Wildlife & Fisheries, has successfully defended her PhD thesis entitled "Investigations on hybridization and genetic introgression in major carps of Punjab" on 16-12-2016 as required under the rules.
29. Miss Huma Naz, Regd. No. 2008-ag-493, PhD student, Department of Zoology, Wildlife & Fisheries, has successfully defended her PhD thesis entitled "Evaluation of biochemical and molecular changes in major carps exposed to pesticides mixtures" on 19-12-2016 as required under the rules.
30. Miss Asia Batool, Regd. No. 2000-ag-1151, PhD student of the Department of Plant Pathology, has successfully defended her PhD synopsis at University level on 14-12-2016. The title of her synopsis is "Diversity, stability and inheritance pattern of Begomovirus tolerance and fiber quality in Gossypium hirsutum L".
31. Mr. Naser Rasheed, Regd. No. 2013-ag-1277, PhD student of the Institute of Soil and Environmental Sciences has successfully defended his synopsis in a seminar at the University level on 16-12-2016. The title of his synopsis is "Enhancing bioavailable zinc contents in indigenous lentil (Lens culinaris Medik) genotypes".
32. Mr. Muhammad Adnan Ayub, Regd. No. 2007-ag-1396, PhD Chemistry student of the Department of Chemistry has successfully defended his thesis entitled "Bioactivity Guided Isolation of anticancer Compounds from Oleoresins of Boswellia and Pinus species" as required under the rules on 23-12-2016.
33. Mr. Ali Hassan, Regd. No. 2006-ag-1332, PhD scholar of the National Institute of Food Science & Technology, Faculty of Food, Nutrition & Home Sciences, UAF, has successfully defended his PhD synopsis on 17-12-2016. The committee has suggested some minor changes in the title. Now the title of his PhD synopsis is "Development and Optimization of Ultraviolet Treatment and Its Effects on Safety & Quality Aspects of Milk".
34. Ms. Ifra Saleem, Regd. No. 2001-ag-941, PhD student of the Institute of Soil and Environmental Sciences has successfully defended her synopsis in a seminar at the University level on 17-12-2016. The title of her synopsis is "The potential and efficiency of nano-K coated diammonium phosphate (DAP) to improve crop yield".
35. Ms. Shabana Ehsan, Regd. No. 2001-ag-1227, PhD student of the Institute of Soil and Environmental Sciences has successfully defended her synopsis in a seminar at the University level on 17-12-2016. The title of her synopsis is "Potential use of bio-energy waste for improving soil health and crop production".
36. Mr. Tajammal Husnain, Regd. No. 2004-ag-1247, PhD student of the Institute of Horticultural Sciences has successfully defended his thesis in a seminar held on 21-12-2016. The title of his thesis is "Standardization of different aspects of Radish Seed Production".
37. Ms. Anisa Naeem, Regd. No. 1529, PhD student of CABB has successfully defended her thesis at University level on 10-12-2016. The title of her thesis was "Social History, Genetic diversity and Origin of Date Palm".
38. Mr. Muhammad Sohail Akhtar, Regd. No. 2010-ag-60, a PhD student of the Department of Rural Sociology has successfully defended his synopsis entitled "A Study to investigate the Farmer's Perception and their Coping Strategies Regarding the Impact of Climate Change in Rice-Wheat Cropping System of Punjab (Pakistan)" on 26-12-2016.
39. Mr. Muhammad Arfan-ul-Haq, Regd. No. 99-ag-1199, PhD student of the Institute of Soil and Environmental Sciences has successfully defended his synopsis in a seminar at the University level on 17-12-2016 at 09:00 am in the Library of the Institute of Soil and Environmental Sciences. The title of his synopsis in a seminar at the University level on 17-12-2016. The title of his synopsis is "Effect of bio-activated rock phosphate on phosphorus use efficiency and yield of wheat (Triticum aestivum L)".





**AUCTION NOTICE**

1. The University is going to auction used answer books (Raddi) weighing about 5000 Kilograms through open auction on 07-01-2017 at 11:00 am in the

office of the Controller of Examinations. Bidding documents can be obtained from the office of the Controller of Examinations by depositing Rs. 200/- (Non-refundable) in the University Income Account (No. 11-9/NBP, UAF Branch) as bid fee. (i) The bidder will have to deposit @ Rs. 10,000/- (refundable) as bid security of auction and Rs. 200/- (Non-refundable) as bid fee into Account No. 11-9/NBP "University Income Account" UAF Branch. (ii) The successful bidder will deposit 1/3 of the bid at the spot. If the successful bidder fails to deposit 1/3 of the bid as successful bidder, the bid money mentioned above will be forfeited in favour of the University. (iii) After approval of the Competent Authority, the bidder will have the right to take over the charge on payment of remaining amount within seven days from the date of issuance of the letter of the approval, failing which the amount already deposited be forfeited in favour of UAF. (iv) Taxes (10%) will be charged extra on the value of final bid as per Govt. Rules for deposit into Government's Treasury. (v) The bidder will have to produce original CNIC before the committee. (vi) The University may reject all bids any time prior to the acceptance of a bid. The University shall upon request communicate to any bidder who made a bid the grounds for its rejection of all bids but is not required to justify those grounds. (vii) In case of any dispute between the bidder and UAF, the decision of the Competent Authority as arbitrator shall be final, and not be challenged in any Court of Law.



2. It is informed that about 17 maunds of Munji, 4 maunds of cotton lint, one acre of standing Maize crop with cobs, 4 kanal of sugarcane and 6 maunds of sunflower seed will be sold by open auction on 31-12-2016. The interested people are invited for bidding. Note: One third of the total price will be recovered on the spot, and the remaining amount will be paid after the approval of competent authority.

3. The Department of Fibre and Textile Technology wants to auction the Jute bags waste of Semi commercial textile testing project on 05-01-2017 at 10:00 am. As per University rules, advance tax @ 10% will be collected from the higher bidder and deposited in the Government treasury.

**SHORT COURSES SCHEDULE**

Department of Continuing Education, Faculty of social sciences, University of Agriculture, Faisalabad is offering the following short courses. Interested candidates may submit their applications on plain paper in the office of the Chairman, Department of Continuing Education duly addressed to the Dean, Faculty of Social Sciences. The application should carry i) original fee slip deposited in the National Bank of Pakistan, UAF ii) relevant documents iii) recent photograph, iv) copy of CNIC. Note: Employee of the University and other Govt. Departments should have to submit their NOC for their own and their children application through proper channel. (1<sup>st</sup> Quarter starting w.e.f. 1<sup>st</sup> January, 2017 to 31<sup>st</sup> March, 2017).

Sr.#	Name of Course	Last Date	Starting Date	Duration	Eligibility to Apply	Fee
1.	Tunnel Farming	10.02.2017	27.02.2017	Six Months	Matric	700/-
2.	Population Welfare In Pakistan (Male & Female)	10.02.2017	27.02.2017	Two Weeks	Married	200/-
3.	Lab. Attendant	10.02.2017	27.02.2017	Three Months	Middle Pass	500/-
4.	Forest Nursery Establishment	10.02.2017	27.02.2017	One Week	Matric (2 <sup>nd</sup> Div.)	200/-
5.	Fruit & Vegetable Preservation (Male)	10.02.2017	27.02.2017	Two Weeks	Middle Pass	200/-
6.	Taxidermy of Birds	10.02.2017	27.02.2017	Two Weeks	Matric	500/-
7.	Methods for Seed Testing	10.02.2017	27.02.2017	Three Weeks	Matric	200/-
8.	Mali Class	10.02.2017	27.02.2017	One Year	Literate	2000 /-
9.	Farm Irrigation Management	06.03.2017	20.03.2017	Ten Days	B.Sc. (Hons.) Agri. Engg., B.Sc. (Hons) Agri.	200/-
10.	Design and Evaluation of Surface Irrigation Methods	06.03.2017	20.03.2017	10 Days	B.Sc.(Hons.) Agri./B.Sc. (Hons.) Agri. Engg.	200/-
11.	Horticultural Nurseries	06.03.2017	20.03.2017	Three Months	Matric	500/-
12.	Farm Forestry for field Officers	06.03.2017	20.03.2017	Two Weeks	Agri. Graduate/Agri. Officer/ Representative of Agri. Department	200/-
13.	Water Quality for Agriculture	06.03.2017	20.03.2017	Two Weeks	Matric	200/-
14.	Advance Mali Class	06.03.2017	20.03.2017	Three Months	Mali Course Pass or Three Years Experience in relevant field	500/-
15.	Saline-Sodic Soils Problem and Management	06.03.2017	20.03.2017	Two Weeks	Matric	200/-
16.	Allelopathy for Crops	06.03.2017	20.03.2017	Ten Days	Literate	200/-
17.	Agro-Forestry as a Business	06.03.2017	20.03.2017	One Week	Matric (2 <sup>nd</sup> Div.)	200/-
18.	Wool Grading & Sorting	06.03.2017	20.03.2017	Two Weeks	Matric	200/-
19.	Mushroom Cultivation (Female)	06.03.2017	20.03.2017	Two Weeks	Literate	200/-
20.	Building Material and Home Construction	06.03.2017	20.03.2017	One Month	F.Sc. Pre.Engg.	400/-
21.	Bee Keeping	06.03.2017	20.03.2017	One Month	Literate	400/-
22.	Sericulture	06.03.2017	20.03.2017	One Month	Literate	400/-