

DETAILS OF PO'S & PSO'S**CRITERIA 1.1.1****NAME OF THE SCHOOL - SCHOOL OF AGRICULTURAL SCIENCES****UNDERGRADUATE PROGRAMMES**

S.NO	NAME OF THE PROGRAMME	PROGRAMME CODE	PSO'S (PROGRAMME SPECIFIC OUTCOMES)	PO'S (PROGRAMME OUTCOMES/GRADUATE ATTRIBUTES)
1	B.Sc.(Hons.) Agriculture		The students will exhibit a coherent understanding of crop production, protection, improvement and post-harvest disciplines of agricultural sciences including the underpinning scientific, economic and business principles and be accountable for their personal and professional responsibility.	1.The students will be equipped with knowledge of agriculture and related technologies and be able to apply key concepts and theories in complex and unpredictable contexts in agricultural management
				2.The students will be able to understand the situation of depleting agricultural resources and address the issue in relation to global resources capacity and management.
				3.The students will be able to formulate plans through integrated farm technologies that will ensure long term industry and environmental sustainability.
				4.The students will be able to critically analyse research data and use statistical means to support arguments and analyse factors which affect the production of crops and livestock.
				5.The students will be able to critically evaluate impact of changing climate and plan climate resilient strategies to increase crop and livestock production.
				6. The students will be able to use research- based knowledge and methods to impart diagnostic and remedial measures relevant to real field situations through practical training
				7.The students will develop vocational competencies relevant to the agricultural sector which enhance students ' employability.

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				8.The students will be able to select and employ relevant IT tools in solving agriculture-related problems.
				9.The students will demonstrate entrepreneurship skills and business management competencies at the end of this programme.
				10.The students will develop effective written and oral communication skills to disseminate information to a wide audience of peers, farmers and industry representatives.
				11.The students will be able to function effectively as an individual, and as a member or leader in multidisciplinary settings.
				12.The students will be able to demonstrate a commitment to continuing professional development and lifelong learning through independent critical thinking, rational inquiry and self-directed learning and research.
POSTGRADUATE PROGRAMMES				
1	M.Sc. Agriculture		The programme aims to produce agriculturalists with the scope to tackle problems along the length of the food chain, dealing with difficult environmental, animal welfare, political, social and economic issues and being aware of their role as leaders locally, nationally and globally in ensuring sustainable agricultural production outcomes.	1. The students will be equipped with thorough knowledge and understanding of crop production system by learning procedures and principles of crop production, weed management, resource sustainability.

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				2. The students will develop the ability to comprehend and apply knowledge of scientific production system to improve food security and assist society with efficient food production technologies
				3. The students will demonstrate ability to generate knowledge related to production and improvement of agricultural crops leading to the development of research philosophies, concepts and technologies.
				4. The students will gain the ability to use systems approach, crop modelling, bio indicators, remote sensing, GIS, IT tools and modern cutting edge technologies for crop production and foster system research.
				5. The students will be able to design long term solutions for specific agricultural challenges and assist with agricultural policies or processes which raise system productivity, efficiency, resilience, value and profitability of farming
				6. The students will be able to plan, design and conduct experiments independently and develop a breadth of exposure to different empirical methods and analytical approaches to undertake research or project independently.
				7. The students will be able to use statistical tools to critically analyse and interpret scientific data to evaluate agricultural problems and reach appropriate solutions

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				8. The students will learn to commit to professional ethics, responsibilities and norms of agricultural research whether working as individual or in collaboration
				9. The students will demonstrate an appropriate level of communication skills to effectively disseminate research and technical information, including the practical implications of research analyses.
				10. The students will be able to gather, analyze and apply information from literature sources to formulate convincing scientific arguments and future research strategies.
				11.The students will exhibit an ability to function effectively as an individual and as a member or leader in diverse teams.
				12.The students will demonstrate an ability to be critical and creative thinkers with an aptitude for continued self-directed learning in specialist technologies to maintain their competence in changing world
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				11.The students will be able to function effectively as an individual, and as a member or leader in multidisciplinary settings.
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				4.The students will gain the ability to use systems approach, crop modelling, bio indicators, remote sensing, GIS, IT tools and modern cutting edge technologies for crop production and foster system research.

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				5.The students will be able to design long term solutions for specific agricultural challenges and assist with agricultural policies or processes which raise system productivity, efficiency, <u>resilience, value and profitability of farming</u>
				6.The students will be able to plan, design and conduct experiments independently and develop a breadth of exposure to different empirical methods and analytical approaches to undertake <u>research or project independently.</u>
				7.The students will be able to use statistical tools to critically analyse and interpret scientific data to evaluate agricultural problems and reach <u>appropriate solutions</u>
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				9.The students will demonstrate an appropriate level of communication skills to effectively disseminate research and technical information, including the practical implications of research <u>analyses.</u>
				10.The students will be able to gather, analyze and apply information from literature sources to formulate convincing scientific <u>arguments and future research strategies.</u>
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