



**ST. ALBERT'S COLLEGE (AUTONOMOUS)
ERNAKULAM**

An initiative of the Archdiocese of Verapoly

(Affiliated to Mahatma Gandhi University, Kottayam)

**DEPARTMENT OF BOTANY
PROGRAMME: B.Sc. BOTANY**

Programme Outcomes

Programme Specific Outcomes

Course Outcomes

GRADUATE PROGRAMME BOTANY OUTCOMES (PO)

At the completion of the UG programme, the student will be able to accomplish the following outcomes:

PO No	Programme Outcomes
PO.1	Critical Thinking: Take an informed and analytical approach to learning and demonstrate in-depth factual and functional knowledge of the subject and give opinion(s) supported by logical reasoning that one has judged to be appropriate and understanding various approaches and using them.
PO.2	Effective Communication: Demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication; knowledge dissemination, possess skills to effectively deliver formal and informal presentations to a variety of audiences in multiple contexts
PO.3	Self-directed and Life-long Learning: Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment.
PO.4	Environment and Sustainability: Discern the issues of environmental contexts and engage in promoting values and attitudes that claim coexistence and sustainable living with reduced, minimal, or no harm upon ecosystems.

SLNO	PSO No.	Intended Programme Specific Outcomes Upon completion of the B.Sc. Botany Degree Programme, the graduates will be able to:
1	PSO-1	Identify the different groups of botany and appreciate plant diversity, habitat, heredity and various life processes. Exposure to the current developments in the different areas of botany and apply suitable methodologies and techniques learnt during the course of studying botany.
2	PSO-2	Integrate the knowledge acquired in botany to solve problems, take appropriate decision making and innovate while working with plants.
3	PSO-3	Share social and environmental consciousness with their fellow citizens and act as a responsible citizen for social changes, environmental protection and conservation.
4	PSO-4	To foster entrepreneurial skills and capacity building of individuals and teams for taking up business opportunities in fields related to botany and deliver relevant applications of knowledge dissemination through effective written, verbal, graphical/ virtual communication and interact productively with people from various walks of life.

BOT1CRT0119 Methodology of Science and an Introduction to Botany

After successful completion of the course, the students should be able to

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Determine the broad steps required to solve a problem in an area of their interest.	An	PSO4 PO 1
CO 2	Design experiment for verifying hypothesis	An	PSO 2 PO 3
CO 3	Identify the different plant groups and also assign plants to these groups.	Ap	PSO 1 PO 1
CO4	Utilise the possibilities of the field of Botany.	U	PSO 1 PO 3
CO 5	Identify basic experimental methods in Botany for specific purposes.	An	PSO 1 PO 1

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT1CRT0119.1	An	2							1
BOT1CRT0119.2	An			2		1			
BOT1CRT0119.3	Ap	1				2			
BOT1CRT0119.4	U			1		1			
BOT1CRT0119.5	An	2				1			
BOT1CRT0119		1.67		1.5		1.33	1		1

BOT2CRT0119: Microbiology, Mycology and Plant Pathology

After successful completion of the course, the students should be able to

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Discover the world of microbes in general, with more information about viruses, prokaryotes and eukaryotes.	K	PO 1 PSO 1
CO 2	Identify fungi related to day to day human activities for their utilisation.	Ap	PO 1, PO 3 PSO 1, PSO 3
CO 3	Discuss the ecology, life cycle and economic importance of major groups of fungi.	Ap	PO 1, PO 3 PSO 1, PSO 2
CO4	Describe the structure and ecological significance of lichens in nature.	U	PO 1, PO 4 PSO 1, PSO 3
CO 5	Identify common plant pathogens associated with their crops and can adopt suitable remedial measures to combat them.	Ap	PO 1, PO 3 PSO 1, PSO 2, PSO 3

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT2CRT0119.1	K	2				2			
BOT2CRT0119.2	Ap	2		1		2		1	
BOT2CRT0119.3	Ap	2		1		2	1		
BOT2CRT0119.4	U	2			2	2		2	
BOT2CRT0119.5	K	2		1		2	1	1	
BOT2CRT0119		2		1	2	2	1	1.33	

BOT3CRT0119: Phycology and Bryology

After successful completion of the course, the students should be able to

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Identify and differentiate between the different groups of algae based on their characteristics.	Ap	PO 1, PSO 1
CO 2	Describe the variation in habitat, thallus, pigmentation, food reserves and reproduction in algae.	U	PO 1, PO 2 PSO 1
CO 3	Discuss about the economically important algae and how to utilise them in their daily lives.	Ap	PO 1, PO 3 PSO 3, PSO 4
CO4	Explain the technique involved in algal culture.	U	PO 1, PO 2 PSO 1, PSO 4
CO 5	Identify the different groups of bryophytes and comment on their ecological and economic importance.	Ap	PO 1, PO 4 PSO 1, PSO 4

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT3CRT0119.1	Ap	2				2			
BOT3CRT0119.2	U	2	1			2			
BOT3CRT0119.3	Ap	2		1				2	1
BOT3CRT0119.4	U	2	1			2			1
BOT3CRT0119.5	Ap	2			1	2			1
BOT3CRT0119		2	2	1	1	2		2	1.5

BOT4CRT0119: Pteridology, Gymnosperms and Paleobotany

After successful completion of the course, the students should be able to

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Identify the Pteridophytes and Gymnosperms mentioned in the syllabus.	Ap	PSO 1 PO 1
CO 2	Explain the useful aspects of these plants and their propagation.	U	PO 3, PO 4 PSO 1, PSO 4
CO 3	Compare the morphology, anatomy and reproductive structures of different Pteridophytes and Gymnosperms.	An	PO 1 PSO 1, PSO 4
CO4	Explain the process of formation and importance of fossils.	U	PO 4 PSO 3
CO 5	Analyse the course of evolution from the lower groups of Cryptogams to the higher group of Phanerogams.	An	PO 1, PO 3 PSO 1

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT3CRT0119.1	Ap	2				2			
BOT3CRT0119.2	U	2	1			2			
BOT3CRT0119.3	Ap	2		1				2	1
BOT3CRT0119.4	U	2	1			2			1
BOT3CRT0119.5	Ap	2			1	2			1
BOT3CRT0119		2	2	1	1	2		2	1.5

PO, PSO and CO - B.Sc. BOTANY

BOT5CRT0119-Anatomy, Reproductive Botany, Microtechnique

After successful completion of the course, the students should be able to:

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Examine the cell, tissues and tissue systems simultaneously and their respective functions	U	PO 1 PSO 1
CO 2	Discuss the structural adaptations in plants growing in different environments as well as on different parts such as stem, root and leaf etc.	E	PO 1, PO 4 PSO 2, PSO 3
CO 3	Analyse the morphology and development of reproductive structures in flowering plants and also development of fruits and seeds.	U	PO 1 PSO 1
CO4	Scope and application of embryo development and culture, endosperm development and polyembryony	Ap	PO 1 PSO 2
CO 5	Devise and perform techniques to preserve and study plant materials and microscopic slide preparation for in depth study on internal structure of plant parts	C	PO 1 PSO 2

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT5CRT0119.1	U	1				1			
BOT1CRT0119.2	E	2			1		1	1	
BOT1CRT0119.3	U	2				1			
BOT1CRT0119.4	Ap	1					1		
BOT1CRT0119.5	C	2					1		
BOT1CRT0119		1.6			1	1	1	1	

PO, PSO and CO - B.Sc. BOTANY

BOT5CRT0219 - Research Methodology, Biophysics and Biostatistics

After successful completion of the course, the students should be able to

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Describe different methodologies, techniques and computer skills used in research work and apply them in their own research.	Ap	PO 1, PO 2 PSO 1
CO 2	Describe the features of MS word, Excel, PowerPoint and other free online office softwares and apply them in creation of documents and presentations etc.	Ap	PO 2 PSO 1
CO 3	Explain the principle and working of various equipments and make use of them in experiments and studies	Ap	PO 1 PSO 2
CO4	Classify the sampling techniques and choose the right one in real situations.	Ap	PO 3 PSO 2
CO 5	Apply the appropriate statistical methodology to interpret data and use them to predict the probability of occurrence of events.	C	PO 1 PSO 2

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT5CRT0219.1	Ap	1	1			1			
BOT5CRT0219.2	Ap		2			2			
BOT5CRT0219.3	Ap	1					1		
BOT5CRT0219.4	Ap			2			2		
BOT5CRT0219.5	C	1					1		
BOT5CRT0219		1	1.5	2		1.5	1.3		

BOT5CRT0319-Plant Physiology and Biochemistry

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Explain the physiological processes that regulate absorption of water and minerals with emphasis on N2 metabolism and transport across membranes.	U	PO 1 PSO 2
CO 2	Examine the concept of light harvesting by plants and understanding its physiology in response with varying environmental situations.	An	PO 4 PSO 4
CO 3	Experiment the basic skills in experiments related to photosynthesis, respiration and also biochemical processes take place in plants.	E	PO 3 PSO 2
CO4	Explain the overview of major biomolecules in Plant life.	U	PO 1 PSO 1
CO 5	Analyse the structure and the mechanism of action of enzymes, learn the kinetics of enzyme catalysed reactions and understand various enzyme inhibitions and regulatory processes.	An	PO 1 PSO 3

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT5CRT0319.1	U	1					1		
BOT5CRT0319.2	An				2				1
BOT5CRT0319.3	E			2			1		
BOT5CRT0319.4	U	1				1			
BOT5CRT0319.5	An	2						2	
BOT5CRT0319		1.3		2	2	1	1	2	1

BOT5CRT0419 -Environmental Science and Human Rights

After successful completion of the course, the students should be able to

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Formulate new methods of sustainable utilization of natural resources.	Ap	PO 4 PSO 3
CO 2	Take necessary steps to control/ reduce environmental pollution.	Ap	PO 4 PSO 3
CO 3	Perform more accountable with compassionate attitude towards environment and organisms.	Ap	PO 4 PSO 3
CO4	Identify and explain various ecological adaptations and processes	An	PO 1 PSO1
CO 5	Exercise implementation of environmental laws in India for conserving biodiversity and natural resources	An	PO 1 PSO3

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT5CRT0419.1	Ap				1			1	
BOT5CRT0419.2	Ap				1			2	
BOT5CRT0419.3	Ap				1			2	
BOT5CRT0419.4	An	1				1			
BOT5CRT0419.5	An	1						1	
BOT5CRT0419		1			1	1		1.5	

BOT5COT0119-Agri-based Microenterprises

After successful completion of the course, the students should be able to:

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Explain sustainable agriculture and organic farming practices and its scope in the context of food, health and environmental security point of view.	Ap	PO 1, PO 3 PSO 2, PSO 4
CO 2	Examine the opportunities and potentials in the field of food processing technology	Ap	PO 1 PSO 4
CO 3	Demonstrate various skills in agronomy, food technology.	Ap	PO 1, PO 3 PSO 2, PSO 4
CO4	Devise and develop methods for skill acquisition in mushroom spawn production, mushroom cultivation and value addition/marketing.	C	PO 1, PO 3 PSO 2, PSO 4
CO 5	Explain various types of horticultural practices.	An	PO 1, PO 3 PSO 2, PSO 4

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT5COT0119.1	Ap	1		2			1		2
BOT5COT0119.2	Ap	2							2
BOT5COT0119.3	Ap	1		2			2		2
BOT5COT0119.4	C	2		2			2		2
BOT5COT0119.5	An	2		2			2		2
BOT5COT0119		1.6		2			1.75		2

BOT6CRT0119 - Genetics, Plant Breeding and Horticulture

After successful completion of the course, the students should be able to

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Define the various terminologies used in genetics	K	PO 3 PSO 1
CO 2	Explain the role of genetic and cytoplasmic basis of heredity	U	PO 1 PSO 1
CO 3	Predict the occurrence of a trait using principles of heredity	C	PO 1 PSO 1
CO4	Explain the various methods of plant breeding	U	PO 3 PSO 1
CO 5	Apply horticultural principles and techniques in the construction of gardens and propagation of plants.	Ap	PO 3 PSO 1, PSO 4

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT6CRT0119.1	K			2		2			
BOT6CRT0119.2	U	2				2			
BOT6CRT0119.3	C	1				1			
BOT6CRT0119.4	U			1		1			
BOT6CRT0119.5	Ap			1		1			1
BOT6CRT0119		1.5		1.3		1.4			1

BOT6CRT0219-Cell and Molecular Biology

After successful completion of the course, the students should be able to

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Describe structure, function of various cell organelles, design a model of a cell.	Ap	PO 1, PO 3 PSO 1, PSO 2
CO 2	Compare and contrast various events in the cell cycle.	An	PO 1 PSO 2
CO 3	Distinguish different types of chromosomal aberration.	An	PO 1 PSO 2
CO4	Explain the features of genetic material and itsfunction	An	PO 2 PSO 2
CO 5	Analyse the rapid advances in cell and molecular biology for a better understanding of diseases, including cancer.	An	PO 2 PSO 2

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT6CRT0219.1	Ap	2		2		2	2		
BOT6CRT0219.2	An	1					2		
BOT6CRT0219.3	An	2					1		
BOT6CRT0219.4	An		2				2		
BOT6CRT0219.5	An		1				1		
BOT6CRT0219		1.6	1.5	2		2	1.6		

PO, PSO and CO - B.Sc. BOTANY

BOT6CRT0319: Angiosperm Morphology, Taxonomy and Economic Botany

After successful completion of the course, the students should be able to

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Understand the technical terms used to describe a plant.	U	PO 1 PSO 1
CO 2	Identify the common and economically useful plants in the various families and apply this knowledge in daily life.	Ap	PO 3 PSO 3, PSO 4
CO 3	Differentiate between the morphological features of the plants belonging to various families	Ap	PO 1 PSO 1
CO4	Learn the technique of preservation of plant specimens.	C	PO 2, PO 3 PSO 1, PSO 2, PSO 4
CO 5	Apply and enhance their observation skills during dissection of a flower and learn the technique of botanical illustration.	C	PO 1, PO 3 PSO 1, PSO 4

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT6CRT0319.1	U	2				2			
BOT6CRT0319.2	Ap			2			2	1	
BOT6CRT0319.3	Ap	2				2			
BOT6CRT0319.4	C		2	1		2	1		1
BOT6CRT0319.5	C	2		1		2			1
BOT6CRT0319		2	2	1.33		2	1	2	1.5

BOT6CRT0419 Biotechnology and Bioinformatics

After successful completion of the course, the students should be able to

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Perform basic plant tissue culture experiments for propagation and conservation of plants	Ap	PO1 PSO1, PSO4
CO 2	Explore the possibilities of rDNA technology.	Ap	PO4 PSO2
CO 3	Make use of the basic softwares in bioinformatics.	Ap	PO2 PSO1
CO4	Practice the various techniques in rDNA technology	An	PO1 PSO1
CO 5	Design experiments in rDNA technology	An	PO1 PSO1

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT6CRT0419.1	Ap	1				1			2
BOT6CRT0419.2	Ap				1		1		
BOT6CRT0419.3	Ap		1			1			
BOT6CRT0419.4	An	2				1			
BOT6CRT0419.5	An	1				2			
BOT6CRT0419		1.33	1		1	1.25	1		2

PO, PSO and CO - B.Sc. BOTANY

BOT6CBT0119: Agribusiness

After successful completion of the course, the students should be able to

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Identify the business opportunities in the field of plant sciences.	U	PO 1, PO 3 PSO 2, PSO 4
CO 2	Discover opportunities and potentials in the field of nursery management, food processing,	Ap	PO 1, PO 2 PSO 1, PSO 3
CO 3	Employ new methods in preservation and value addition technology	Ap	PO 1, PO 2 PSO 1, PSO 3
CO4	Practice sustainable agriculture and organic farming, organic certification and marketing organic products based on geo-tagging.	Ap	PO 1, PO 3, PO 4 PSO 2, PSO 3, PSO 4
CO 5	Develop new mushroom cultivation techniques and preparation of value added mushroom products and its marketing.	C	PO 1, PO 3 PSO 3, PSO 4

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT6CBT0119.1	U	1		2		1		1	
BOT6CBT0119.2	Ap	1	1			1		2	
BOT6CBT0119.3	Ap	2	1		1	1		2	
BOT6CBT0119.4	Ap		2	2	2		1	1	
BOT6CBT0119.5	C			1	1			2	
		1.3	1.3	1.66	1.3	1	1	1.75	
								1.25	

BOT1CMT0119-Cryptogams, Gymnosperms and Plant Pathology

After successful completion of the course, the students should be able to

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Distinguish the different classes of Algae.	An	PSO1 PO 1
CO 2	To comprehend the structure and reproduction of various genera of fungi and lichen.	An	PSO1 PO 1
CO 3	Compare the characteristic features of Bryophytes and Pteridophytes.	An	PSO1 PO 1
CO4	Explain the Characteristic features of Gymnosperms .	An	PSO1 PO 1
CO 5	Diagnose plant diseases and adopt proper control measures.	Ap	PSO3 PO 2

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT1CMT0119.1	An	2				1			
BOT1CMT0119.2	An	2				2			
BOT1CMT0119.3	An	2				2			
BOT1CMT0119.4	An	1				2			
BOT1CMT0119.5	Ap			1			1		
BOT1CRT0119		1.75		1		1.75	1		

BOT2CMT0119-Plant Physiology

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Explaining the physiological processes that regulate water absorption and translocation in plants growth and developmental processes.	U	PO 1 PSO 1
CO 2	Analyse and identify the physiological factors that regulate growth and developmental processes and strategies used by plants for resource utilization.	An	PO 2 PSO 2
CO 3	Using various aspects of physiological processes related to plant growth hormones in different environmental situations.	Ap	PO 4 PSO 3
CO4	Compare and apply the modern laboratory practices in understanding and applying their knowledge.	An	PO 3 PSO 2
CO 5	Experiment their knowledge of plant physiology to relevant cultural, social, and legal aspects of their lives in development entrepreneurship in the area of plant physiology	E	PO 2 PSO 4

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT2CMT0119.1	U	2				1			
BOT2CMT0119.2	An		2				2		
BOT2CMT0119.3	P				1			2	
BOT2CMT0119.4	An		2				2		
BOT2CMT0119.5	E		1	1					1
BOT2CMT0119		2	1.66	1	1	1	2	2	1

PO, PSO and CO - B.Sc. BOTANY

BOT3CMT0119 Angiosperm Taxonomy and Economic Botany

After successful completion of the course, the students should be able to

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Describe plants using technical terms.	An	PO 1 PSO1
CO 2	Identify common Angiosperms (belonging to families prescribed in the syllabus) species systematically.	Ap	PO 1 PSO 1
CO 3	Prepare herbarium sheets following international herbarium methods.	C	PO 1 PSO 1
CO4	Improve their observation and drawing skills during dissection of a flower.	C	PO 1 PSO 1
CO 5	Identify common and economically useful plants in the various families.	An	PO 1 PSO 1

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT3CMT0119.1	An	1				1			
BOT3CMT0119.2	Ap	1				1			
BOT3CMT0119.3	C	1				1			
BOT3CMT0119.4	C	1				1			
BOT3CMT0119.5	An	1				1			
BOT3CMT0119		1				1			

PO, PSO and CO - B.Sc. BOTANY

BOT4CMT0119 Anatomy and Applied Botany

After successful completion of the course, the students should be able to

CO.No.	Course Outcome	Cognitive Level	PSO PO
CO 1	Differentiate plant and plant parts anatomically.	An	PO 1 PSO 1
CO 2	Identify plants with morphological and anatomical adaptations growing in different habitats.	An	PO1 PSO1
CO 3	Take microscopic sections, handle related instruments and prepare good slides for microscopic observations.	Ap	PO 1 PSO 1
CO4	Explore various potentialities of horticulture and vegetative propagation methods.	Ap	PO 1, PO 2 PSO 1, PSO 4
CO 5	Investigate opportunities of plant tissue culture in improvement of crop plants.	Ap	PSO 1 PO 1

Course Out comes	Level of CO	Program Outcomes				Program Specific Outcomes			
		PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
BOT4CMT0119.1	An	1				1			
BOT4CMT0119.2	An	1				1			
BOT4CMT0119.3	Ap	1				1			
BOT4CMT0119.4	Ap	1				1			
BOT4CMT0119.5	Ap	1				1			
BOT4CMT0119		1				1			

PROGRAMME ARTICULATION MATRIX

Course Code	Course Title	Sem	Programme Outcomes (POs)				Programme Specific Outcomes (PSOs)			
			PO-1	PO-2	PO-3	PO-4	PSO-1	PSO-2	PSO-3	PSO-4
BOT1CR T0119	Methodology Of Science and An Introduction To Botany	I	1.67	-	1.5	-	1.33	1	-	1
	Complementary – Chemistry Basic Theoretical and Analytical Chemistry		1.25	-	1	-	1	1	-	-
	Complementary – Zoology Non-Chordate Diversity		1	-	-	-	1	1	-	1
BOT2CR T0119	Microbiology, Mycology and Plant Pathology	II	2	-	1	2	2	1	1.33	-
	Complementary – Chemistry Basic Organic Chemistry		1	-	-	1	1	1	-	-
	Complementary – Zoology Chordate Diversity		1	-	-	-	1	-	-	-
BOT3CR T0119	Phycology and Bryology	III	2	2	1	1	2	-	2	1.5
	Complementary – Chemistry Inorganic And Organic Chemistry		1	-	-	-	1	-	-	-

PO, PSO and CO - B.Sc. BOTANY

	Complementary – Zoology Physiology and Immunology		1	-	1	-	1	1	-	-
BOT4CR T0119	Pteridology Gymnosperms and Paleobotany	IV	2	2	1	1	2	-	2	1.5
	Complementary – Chemistry Advanced Bio- Organic Chemistry	IV	1	-	-	1	1	1	1	-
	Complementary – Zoology Applied Zoology	IV	1	1	1.3	1	1	0	1	1.5
BOT5CR T0119	Anatomy, Reproductive Botany, Microtechnique	V	1.6	-	-	1	1	1	1	-
BOT5CR T0219	Research Methodology, Biophysics and Biostatistics	V	1	1.5	2	-	1.5	1.3	-	-
BOT5CR T0319	Plant Physiology and Biochemistry	V	1.3	-	2	2	1	1	2	1
BOT5CR T0419	Environmental Science and Human Rights	V	1	-	-	1	1	-	1.5	-
BOT5CO T0119	Open Course Agri. Based Microenterprises	V	1.6	-	2	-	-	1.75	-	2
BOT6CR T0119	Genetics Plant Breeding and Horticulture	VI	1.5	-	1.3	-	1.4	-	-	1

PO, PSO and CO - B.Sc. BOTANY

BOT6CR T0219	Cell and Molecular Biology	VI	1.6	1.5	2	--	2	1.6	-	-
BOT6CR T0319	Angiosperm Morphology, Taxonomy and Eco. Botany	VI	2	2	1.33	-	2	1	2	1.5
BOT6CR T0419	Biotechnology and Bioinformatics	VI	1.33	1	-	1	1.25	1	-	2
BOT6CB T0519	Core- Choice Based Course <i>Agribusiness</i>	VI	1.3	1.3	1.66	1.3	1	1	1.75	1.25



St. Albert's College (Autonomous)

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