#### GRADUATE ATTRIBUTES OF UTKAL UNIVERSITY, VANI VIHAR, BHUBANESWAR

Graduate Attribute-1 (GA1)	Basic Knowledge & Intelectual Complexity (Remember)
Graduate Attribute-2 (GA2)	Explaining ideas or concepts (Understanding)
Graduate Attribute-3 (GA3)	Professional Ethics & Sensitivity (Applying)
Graduate Attribute-4 (GA4)	Social Responsibility (Analysing)
Graduate Attribute-5 (GA5)	Decission taking based on in-depth reflection & Assesment (Evaluating)
Graduate Attribute-6 (GA6)	Formulating or generating hypotehsis or plan and propose decission (Creating)
Graduate Attribute-7 (GA7)	Setting readyness for holistic act and responding guided response (Set)
Graduate Attribute-8 (GA8)	Actively participating, responding, valuing and be motivated to continue (Responding & Valuing)
Graduate Attribute-9 (GA9)	Adoptation to newer skill and Origination New procedures (Origination)

Zoo - 101 BIOSYSTEMATICS, BIOINFORMATICS AND NON-CHORDATES									
	(Remember		(Applying)	Analyzing	Evaluating	Creating	Set	Responding	Organizing
ZOOLOGY	)	ding)						and Valueing	
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7		PO-9
CO-1	٧	٧		٧	٧			٧	V
CO-2	٧	٧	٧	٧	٧			٧	V
CO-3	٧	٧	٧	٧	٧	٧	٧	٧	٧
CO-4	٧	٧						٧	
CO-5	٧	٧						٧	
Zoo - 102 CELL BIOLOGY AND GENETICS									
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	٧	٧	٧		٧	٧			V
CO-2	٧	٧	٧		٧	٧	٧		
CO-3	٧	٧	٧	٧	٧	٧	٧		V
CO-4	٧	٧	٧			٧	٧	٧	
CO-5	٧	٧	٧	٧	٧	٧		٧	
Zoo - 103 PHYSIOLOGY, HISTOLOGY AND HISTOCHEMISTRY									
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	٧	٧							
CO-2	٧	٧							
CO-3	٧	٧							
CO-4	٧	٧							V
CO-5	٧	٧	٧	٧	٧	٧	٧		٧
Zoo - 104 INSTRUMENTATION AND BIOSTATISTICS									
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	٧	٧	٧	٧	٧	٧		٧	V
CO-2	٧	٧	٧	٧	٧	٧		٧	V

CO-3	٧	٧	٧	٧	٧	٧	٧	٧
CO-4	٧	٧	٧	٧	٧	٧	٧	٧
CO-5	٧	٧	٧	٧	٧	٧	٧	V
Zoo-105 Practical								

### GRADUATE ATTRIBUTES OF UTKAL UNIVERSITY, VANI VIHAR, BHUBANESWAR

Graduate Attribute-1 (GA1)	Basic Knowledge & Intelectual Complexity (Remember)
Graduate Attribute-2 (GA2)	Explaining ideas or concepts (Understanding)
Graduate Attribute-3 (GA3)	Professional Ethics & Sensitivity (Applying)
Graduate Attribute-4 (GA4)	Social Responsibility (Analysing)
Graduate Attribute-5 (GA5)	Decission taking based on in-depth reflection & Assesment (Evaluating)
Graduate Attribute-6 (GA6)	Formulating or generating hypotehsis or plan and propose decission (Creating)
Graduate Attribute-7 (GA7)	Setting readyness for holistic act and responding guided response (Set)
Graduate Attribute-8 (GA8)	Actively participating, responding, valuing and be motivated to continue (Responding & Valuing)
Graduate Attribute-9 (GA9)	Adoptation to newer skill and Origination New procedures (Origination)

Z00 - 201 BIOPHYSICS AND BIOCHEMISTRY									
	(Remember	(Understan	(Applying)	Analyzing	Evaluating	Creating	Set	Responding	Organizing
ZOOLOGY	)	ding)						and Valueing	
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7		PO-9
CO-1	٧	٧		٧	٧	٧	٧		V
CO-2	٧	٧		٧			٧	٧	
CO-3	٧	٧		٧			٧		V
CO-4	٧	٧			٧	٧	٧	٧	
CO-5	٧	٧		٧	٧	٧		٧	V
Zoo - 202 MICROBIOLOGY AND IMMUNOLOGY									
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	٧	٧			٧	٧		٧	V
CO-2	٧	٧	٧	٧	٧	٧	٧	٧	V
CO-3	٧	٧	٧	٧	٧	٧	٧	٧	
CO-4	٧	٧	٧		٧		٧	٧	V
CO-5	٧	٧	٧	٧	٧	٧		٧	

Zoo - 203 ENDOCRINOLOGY AND REPRODUCTIVE PHYSIOLOGY									
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	٧	٧	V	٧	٧	٧	٧		
CO-2	٧	٧	٧	٧			٧	٧	
CO-3	٧	٧	٧	٧		٧		٧	
CO-4	٧	٧	٧	٧	٧	٧	٧		٧
CO-5	٧	٧	٧	٧	٧	٧		٧	٧
Zoo- 204 EVOLUTIONARY BIOLOGY AND ANIMAL BEHAVIOUR									
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	٧	٧	٧		٧	٧			
CO-2	٧	٧	٧		٧				
CO-3	٧	٧	٧	٧	٧	٧	٧		
CO-4	٧	٧	٧	٧	٧		٧	٧	V
CO-5	٧	٧	٧	٧	٧	٧	٧	٧	V
Zoo-205 Practical									

GRADUATE ATTRIBUTES OF UTKAL UNIVERSITY, VANI VIHAR, BHUBANESWAR

	1.Discipline Knowledge & Expertise: Have comprehensive knowledge and understanding of discipline and the ability to
Graduate Attribute-1 (GA1)	engage in multi-disciplinary or multi-cultural contexts.
Graduate Attribute-2 (GA2)	2.Contextually Innovate: Identify and analyse complex problems reaching substantiated conclusions
Graduate Attribute-3 (GA3)	3. Civic Engagement: Capacity to Engage in Respectful Relationships involve trust, acceptance, inclusion, and emotional intelligence.
	4. Professionalism and Leadershp: Potential of decission taking based on in-depth reflection & Assesment and to take
Graduate Attribute-4 (GA4)	leadership roles.
Graduate Attribute-5 (GA5)	5. Research and Enquiry: Hypothesis & design strategies that solve identified complex, open-ended problems.
	6. Socially Inclusive and responsble: Understand the impact of professional solutions in socio-envirinmental and
Graduate Attribute-6 (GA6)	environmental contexts and demonstrate knowledge of and need for sustainable development.
Graduate Attribute-7 (GA7)	7. Professional Ethics & Sensivity: Apply ethical principles and commit to professional ethics
	8. Team Work & Communication skills: Can function effectively in diverse teams and in multi-disciplinary settings and also
Graduate Attribute-8 (GA8)	be able to Communicate effectively with society

PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
٧	٧							
٧	٧							
٧	٧							
٧	٧	٧	٧	٧	٧	٧	٧	٧
٧	٧	٧	٧	٧	٧	٧	٧	٧
PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
٧	٧							
٧	٧							
٧	٧							
٧	٧							
٧	٧				٧	٧	٧	V
PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
٧	٧		٧	٧	٧		٧	V
٧	٧	٧	٧	٧	٧			٧
٧	٧	٧	٧	٧	٧			٧
٧	٧	٧	٧	٧				٧
٧	٧	٧	٧	٧	٧			٧
PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
٧	٧			٧	٧			
٧	٧			٧	٧			
٧	٧				٧			
٧	٧				٧	٧		
٧	٧				٧		٧	V
	V V V V PO-1 V V V V V V V V V V V V V V V V V V V	V V V V V V V V V V V V V V V V V V V	V V V V V V V V V V V V V V V V V V V	V V V V V V V V V V V V V V V V V V V	V         V	V         V	V         V	V         V

GRADUATE ATTRIBUTES OF UTKAL UNIVERSITY, VANI VIHA	AR. BHUBANESWAR							
Graduate Attribute-1 (GA1)	Basic Knowledge & Intelectual Complexity (Remember)							
Graduate Attribute-2 (GA2)	Explaining ideas or concepts (Understanding)							
Graduate Attribute-3 (GA3)	Professional Ethics & Sensitivity (Applying)							
Graduate Attribute-4 (GA4)	Social Responsibility (Analysing)							
Graduate Attribute-5 (GA5)	Decission taking based on in-depth reflection & Assesment (Evaluating)							
Graduate Attribute-6 (GA6)	Formulating or generating hypotehsis or plan and propose decission (Creating)							
Graduate Attribute-7 (GA7)	Setting readyness for holistic act and responding guided response (Set)							
Graduate Attribute-8 (GA8)	Actively participating, responding, valuing and be motivated to continue (Responding & Valuing)							
Graduate Attribute-9 (GA9)	Adoptation to newer skill and Origination New procedures (Origination)							

Zoo - 401A MOLECULAR BIOLOGY									
	(Remember	(Understan	(Applying)	Analyzing	Evaluating	Creating	Set	Responding	Organizing
ZOOLOGY	)	ding)						and Valueing	
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7		PO-9
CO-1	٧	٧	٧	٧	٧	٧		٧	V
CO-2	٧	٧	٧	٧	٧	٧	٧	٧	V
CO-3	٧	٧	٧	٧	٧	٧	٧	٧	V
CO-4	٧	٧	٧	٧	٧	٧	٧	٧	V
CO-5	٧	٧	٧	٧	٧	٧		٧	V
Zoo - 402A MICROBIAL ECOLOGY AND BIOTECHNOLOGY, AND NANOBIOLOGY									
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	٧	٧	٧	٧	٧	٧			٧
CO-2	٧	٧	٧	٧	٧	٧	٧		٧
CO-3	٧	٧	٧	٧	٧	٧	٧	٧	V
CO-4	٧	٧	٧	٧	٧		٧	٧	V
CO-5	٧	٧	٧	٧	٧	٧		٧	V
Zoo - 403A ANIMAL DEVELOPMENT AND NEUROBILOGY									
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9
CO-1	٧	٧		٧	٧	٧			V
CO-2	٧	٧	٧	٧	٧	٧			V
CO-3	٧	٧	٧	٧	٧	٧	٧		v
CO-4	٧	٧	٧		٧	٧			V
CO-5	٧	٧	٧	٧	٧	٧		٧	V
Zoo-404 PROJECT/DISSERTATION									

	Project/D				
	issertatio				
Zoo-405 Practical	n				
				•	
				•	
		•		•	

UTKAL UNIVERSITY, VANI VIHAR, BHUBANESWAR	
Graduate Attribute-1 (GA1)	Basic Knowledge & Intelectual Complexity (Remember)
Graduate Attribute-2 (GA2)	Explaining ideas or concepts (Understanding)
Graduate Attribute-3 (GA3)	Professional Ethics & Sensitivity (Applying)
Graduate Attribute-4 (GA4)	Social Responsibility (Analysing)
Graduate Attribute-5 (GA5)	Decission taking based on in-depth reflection & Assesment (Evaluating)
Graduate Attribute-6 (GA6)	Formulating or generating hypotehsis or plan and propose decission (Creating)
Graduate Attribute-7 (GA7)	Setting readyness for holistic act and responding guided response (Set)
Graduate Attribute-8 (GA8)	Actively participating, responding, valuing and be motivated to continue (Responding & Valuing)
Graduate Attribute-9 (GA9)	Adoptation to newer skill and Origination New procedures (Origination)

<b>(GA</b> 1)	Basic Knowledge & Intelectual Complexity (Remember)
<b>(GA</b> 2)	• Explaining ideas or concepts (Understanding)
(GA3)	Professional Ethics & Sensitivity (Applying)
<b>(GA</b> 4)	Social Responsibility (Analysing)
(GA5)	Decission taking based on in-depth reflection & Assesment (Evaluating)
(GA6)	•Formulating or generating hypotehsis or plan and propose decission (Creating)
(GA7)	Setting readyness for holistic act and responding guided response (Set)
<b>(G</b> A8)	Actively participating, responding, valuing and be motivated to continue (Responding & Valuing)

**(G**A9)

•Adoptation to newer skill and Origination New procedures (Origination)