

**“Excellence in Science, Technology  
and Environmental Sustainability”**

# **FACULTY OF SCIENCE AND NATURAL RESOURCES**

## **BACHELOR OF SCIENCE WITH HONORS**

BPKP CODE PROGRAMME OFFERED  
**HG07 Biotechnology**

### **For further inquiries, please contact:**

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HG07 BIOTECHNOLOGY						
	Year 1		Year 2		Year 3	
	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6
UNIVERSITY CORE (PROMOTIONAL) OF KNOWLEDGE (12 CREDIT HOURS)	UW00202 TITAS UE00X02 Soft Skill I UK00X02 Soft Skill II (6 credit hours)	UW00102 Ethnic Relation UC00X02 Soft Skill III (4 credit hours)	UW00302 Introduction to Entrepreneurship (2 credit hours)			
UNIVERSITY CORE LANGUAGE (8 CREDIT HOURS)	UB00102/UB00402/ UB00502/UB00602 (BA4) (2 credit hours)	UB00x02 (EM2) UB00x02 (BA1) (2 credit hours)	UB00x02 (EM3)/ UB00x02 (BA2) (2 credit hours)	UB00x02 (EM4)/ UB00x02 (BA3) (2 credit hours)	UB00x02 (EM5) (0 credit hours)	
UNIVERSITY CORE CO-CURRICULUM (3 CREDIT HOURS)	EK/EA/ES/EB EW/ER0XX03 (3 credit hours)	ED/EU/EP/EJ10201	ED/EU/EP/EJ20101	ED/EU/EP/EJ20201	ED/EU/EP/EJ30101	ED/EU/EP/EJ30201
FACULTY CORE (11 CREDIT HOURS)	ST00602 Basic Physics (2 credit hours)	ST00502 Basic Chemistry (2 credit hours)	ST00202 Basic Statistics (2 credit hours)	ST 00803 Statistical Programming Package ST00902 Scientific Writing (5 credit hours)		
PROGRAMME CORE (71 CREDIT HOURS)	SY11003 Basic Biotechnology (3 credit hours)	SY10202 Microbiology SY10401 Microbiology Practicals SY10602 Genetic SY10801 Genetics Practicals SY10102 Biochemistry SY10301 Biochemistry Practicals (9 credit hours)	SY20103 Molecular Genetics SY20403 Biochemical Engineering SY20503 Biophysical Chemistry SY20703 Molecular Cell Biology (12 credit hours)	SY20203 Immunology SY20303 Principles of Cell and Tissue Culture SY20603 Instrumentation and Application SY20802 Biosafety, Bioethics and Patent (11 credit hours)	SY30103 Project I SY30303 Fermentation Technology and Natural Product SY30503 Virology SY30703 Special Topics in Biotechnology SY30903 Medical Immunology SY31103 Bioinformatics (18 credit hours)	0206 ect II 0403 rg 0603 ology and Biosensor  ering 1003 chemistry s)

Course Structure Session 2015 / 2016

**HG07 BIOTECHNOLOGY**

	Year 1		Year 2		Year 3	
	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6
MINOR / ELECTIVE (15 CREDIT HOURS)	<b>BZ10303</b> Microeconomy (3 credit hours)	<b>BZ10503</b> Principles and Practices Management (3 credit hours)	<b>BZ20203</b> Macroeconomy (3 credit hours)	<b>BZ10403</b> Basic Marketing (3 credit hours)	<b>BZ30903</b> Basic Entrepreneurship (3 credit hours)	
TOTAL (120 CREDIT HOURS)	19	20	21	21	21	18

