

23 AUG 2024

3014

This is with reference to programme structure of BCA\_NEW/BCA\_NEWOL (part of PRF of BCA\_NEW/BCA\_NEWOL) sent from SOCIS in May, 2024.

Subsequently, some of the course codes were revised and the same were notified by P&DD on May 28<sup>th</sup>, 2024 (Annexure-A). Accordingly, the new course codes were substituted for the existing course codes in the programme structure of BCA\_NEW/BCA\_NEWOL (Annexure-B).

BCA\_NEW and BCA\_NEWOL are on offer from July, 2024 session onwards

Please find enclosed the updated programme structure of BCA\_NEW, BCA\_NEWOL for information and necessary action. (Annexure - B)

P.V. Jha

(BCA\_NEW Programme Coordinator)

(Prof. P.V. SURESH, SO(IZ))

Director (SOCIS) 22/08/24

आचार्य सत्य प्रियंका / Prof. Sandeep Singh Rayal  
निदेशक / Director  
कम्प्यूटर एवं सूचना विज्ञान विभाग / SOCIS

Dr. M.P. Mishra

(BCA\_NEWOL Programme Coordinator)

(Dr. M.P. Mishra, Assoc. Prof. SOCIS)

Copy to :

1. Registrar, SRD – For information and for necessary update to the Common prospectus on urgent basis ( BCS-011 , BCS-031, BCS-051 needs to be replaced with BCS-111, BCS-131, BCS-151 respectively. Course titles and credits remain unchanged)
2. Director, COE - For information and For necessary update to the Common prospectus on urgent basis ( BCS-011 , BCS-031, BCS-051 needs to be replaced with BCS-111, BCS-131, BCS-151 respectively. Course titles and credits remain unchanged)
3. Director, SSC – For information
4. Registrar, MPDD – For information and necessary action (For BCS-111: the printed course material of BCS-011 needs to be despatched, For BCS-131: the printed course material of BCS-031 needs to be despatched, For BCS-151: the printed course material of BCS-051 needs to be despatched)
5. Director, RSD – For information and necessary action (Please email to all Regional Centers to communicate the enclosed programme structure of BCA\_NEW and BCA\_NEWOL to all the respective learners)
6. All Faculty of SOCIS – For information and necessary action

DD(ESH)

Please send scanned copy to all the RCDs for records. A copy may be sent to Academies of RSD

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23/08

Louis) 1647  
- 28/5/24

**IGNOU**  
**Planning and Development Division**

IG/P&DD/16/2024/1377  
Dated: - 28<sup>th</sup> May 2024

This has reference to the note no. SOCIS/1432 dated 03<sup>rd</sup> May 2024 and 1455 dated 17<sup>th</sup> May 2024 from the School of Computer and Information Sciences (SOCIS) on assigning Programme and Course Codes of the following BCA (Revised) and BCA online programme.

As per guidelines of the Academic Council and discussion held with programme coordinator, P&DD has assigned the following code(s).

**Programme** : Bachelor of Computer Applications (ODL Revised)  
**Programme Code** : BCA\_NEW

**Programme** : Bachelor of Computer Applications (Online)  
**Programme Code** : BCA\_NEWOL

**Course Codes:**

S. No.	Course Title	Nature of Course	Course Code
1.	DBMS and C++Lab	Core (Practical)	BCSL-135
2.	Object Oriented Programming using JAVA Lab	Core (Practical)	BCSL-146
3.	Web programming Lab	Core (Practical)	BCSL-147
4.	Introduction to Algorithm Design lab	Core (Practical)	BCSL-159
5.	Project	Project	BCSP-165
6.	Computer Basics and PC Software	Core (Theory)	BCS-111
7.	Programming in C++	Core (Theory)	BCS-131
8.	Introduction to Software Engineering	Core (Theory)	BCS-151

**Colour Scheme:** The colour of the cover pages of the printed Blocks of all these courses will be "Light Green" (This colour is assigned to all the courses of School of Computer & Information Sciences (SOCIS)).

✓ Director (SOCIS) 28/5/24  
BCA\_NEW and BCA\_NEWOL Programme Coordinator

28.5.24  
(Pankaj Khanna)  
Dy. Director (P&DD)  
डॉ. पंकज खन्ना  
उप-निदेशक, यो.वि.प्र., इग्नू  
Dr. Pankaj Khanna  
Dy Director, P&DD, IGNOU

### BCA\_NEW and BCA\_NEWOL Programme Structure

Course Code	Course Title	Credits	School
<b>SEMESTER I</b>			
BEVAE-181	Environmental Studies	4	SOS
BEGLA-136	English at Work Place	6	SOH
BCS-111	Computer Basics and PC Software	4	SOCIS
BCSL-013	Computer Basics and PC Software Lab	2	SOCIS
BCS-012	Basic Mathematics	4	SOCIS
<b>Total Credits:</b>		<b>20</b>	
<b>SEMESTER II</b>			
FEG-02	Foundation Course in English-2	4	SOH
MCS-202	Computer Organisation	4	SOCIS
MCS-203	Operating Systems	4	SOCIS
MCSL -204	WINDOWS and LINUX Lab	2	SOCIS
MCS-201	Programming in C and Python	4	SOCIS
MCSL- 205	C and Python Lab	2	SOCIS
<b>Total Credits:</b>		<b>20</b>	
<b>SEMESTER III</b>			
MCS-208	Data Structures and Algorithms	4	SOCIS
MCSL -209	Data Structures and Algorithms Lab	2	SOCIS
MCS-207	Database Management Systems	4	SOCIS
BCS- 131	Programming in C++	4	SOCIS
BCSL-135	DBMS and C++ Lab	2	SOCIS
BCS -040	Statistical Techniques	4	SOCIS
<b>Total Credits:</b>		<b>20</b>	
<b>SEMESTER IV</b>			
MCS-206	Object Oriented Programming using Java	4	SOCIS
BCSL-146	Object Oriented Programming using Java Lab	2	SOCIS
BCS -053	Web Programming	2	SOCIS
BCSL-147	Web Programming Lab	2	SOCIS
BCS -041	Fundamentals of Computer Networks	4	SOCIS
BCOC-131	Financial Accounting	6	SOMS
<b>Total Credits:</b>		<b>20</b>	
<b>SEMESTER V</b>			
BCS- 151	Introduction to Software Engineering	4	SOCIS
BCS - 042	Introduction to Algorithm Design	2	SOCIS
BCSL-159	Introduction to Algorithm Design Lab	2	SOCIS
BCOS - 184	E-Commerce	4	SOMS
MSEI-023	Cyber Security	4	SOVET
BECS-184	Data Analysis	4	SOSS
<b>Total Credits:</b>		<b>20</b>	
<b>SEMESTER VI</b>			
BCOS -185	Entrepreneurship	4	SOMS
MSEI-027	Digital Forensics	4	SOVET
BCSP-165	Project	12	SOCIS
<b>Total Credits:</b>		<b>20</b>	