

## COURSE CURRICULUM OF BS PROGRAMME IN ECONOMIC SCIENCES

### Semester I

| Course No.                  | Course Title                   | Credit |
|-----------------------------|--------------------------------|--------|
| Mandatory courses           |                                |        |
| HSS101                      | English for Communication      | 2      |
| MTH101                      | Calculus of One Variable       | 3      |
| PT101                       | Physical Training              | 0      |
| ECO101                      | Principles of Economics - I    | 3      |
| Optional Courses (any four) |                                |        |
| BIO101                      | Biology I: Biomolecules        | 3      |
| CHE101                      | Engineering Design and Drawing | 3      |
| CHM101                      | General Chemistry              | 3      |
| PHY101                      | Mechanics                      | 3      |
| EES101                      | Earth Materials and Processes  | 3      |
| Total Credits               |                                | 20     |

### Semester II

| Course No.                   | Course Title                             | Credit |
|------------------------------|--|--------|
| Mandatory courses            |  |        |
| ECS102                       | Introduction to Programming              | 3      |
| MTH102                       | Linear Algebra                           | 3      |
| ECO102                       | Principles of Economics - II             | 3      |
| Optional Courses (Any three) |  |        |
| BIO102                       | Biology II: Fundamentals of Cell Biology | 3      |
| CHM112                       | Basic Organic Chemistry                  | 3      |
| EES102                       | Introduction to Environmental Sciences   | 3      |
| PHY106                       | Quantum Physics                          | 3      |
| Total Credits                |  | 18     |

### Semester III

| Course No.   | Course Title           | Credit  |
|--|------------------------|---------|
| MTH201/ECO201  | Multivariable Calculus | 3       |
| ECO203   | Econometrics I         | 4 (3+1) |
| Minimum 12 credits from second year courses of other disciplines |                        | 12      |
| Total Credits  |                        | 19      |

### Semester IV

| Course No.   | Course Title     | Credit |
|--|------------------|--------|
| ECO202   | Microeconomics I | 4      |
| ECO204   | Macroeconomics I | 4      |
| Minimum 12 credits from second year courses of other disciplines |                  | 12     |
| Total Credits  |                  | 20     |

**Semester V**

| <b>Course No.</b> | <b>Course Title</b>        | <b>Credit</b> |
|-------------------|----------------------------|---------------|
| ECO303            | Microeconomics II          | 4             |
| ECO305            | Econometrics II            | 4             |
| ECO307            | Game Theory                | 4             |
| ECO309            | India in the World Economy | 3             |
| *****             | Open Elective I            | 3/4           |
| Total Credits     |                            | 18/19         |

**Semester VI**

| <b>Course No.</b> | <b>Course Title</b>     | <b>Credit</b> |
|-------------------|-------------------------|---------------|
| ECO302            | Macroeconomics II       | 4             |
| ECO304            | International Economics | 4             |
| ECO306            | Development Economics   | 4             |
| ECO***            | Departmental Elective I | 4             |
| *****             | Open Elective II        | 3/4           |
| Total Credits     |                         | 19/20         |

**Semester VII**

| <b>Course No.</b> | <b>Course Title</b>       | <b>Credit</b> |
|-------------------|---------------------------|---------------|
| ECO***            | Departmental Elective II  | 4             |
| ECO***            | Departmental Elective III | 4             |
| ECO***            | Departmental Elective IV  | 4             |
| *****             | Open Elective III         | 3/4           |
| *****             | Open Elective IV          | 3/4           |
| Total Credits     |                           | 18/19/20      |

**Semester VIII**

| <b>Course No.</b> | <b>Course Title</b>       | <b>Credit</b> |
|-------------------|---------------------------|---------------|
| ECO***            | Departmental Elective V   | 4             |
| ECO***            | Departmental Elective VI  | 4             |
| ECO***            | Departmental Elective VII | 4             |
| *****             | Open Elective V           | 3/4           |
| *****             | Open Elective VI          | 3/4           |
| Total Credits     |                           | 18/19/20      |

Students must clear Law Relating to Intellectual Property and Patents course anytime before completion of BS Programme, as and when offered.