

**Kolhapur Institute of Technology's**  
**College of Engineering (Autonomous), Kolhapur**  
**Department of Biotechnology Engineering**  
Teaching and Evaluation Scheme for

**B. Tech (Hons.) Biotechnology Engineering with Specialization in  
Biosimilar Technology**

| Course No. | Course Name   | Semester | Hours/Week |   |   |         |
|------------|---|----------|------------|---|---|---------|
|            |   |          | L          | T | P | Credits |
| UBTH0301   | Biosimilar Therapeutics :Introduction                   | III      | 3          | 1 | - | 4       |
| UBTH0401   | Biosimilar Manufacturing Technology-I                   | IV       | 3          | 1 | - | 4       |
| UBTH0501   | Biosimilar Manufacturing Technology-II                  | V        | 3          | 1 | - | 4       |
| UBTH0601   | Biosimilar Therapeutics: Quality Aspects                | VI       | 3          | 1 | - | 4       |
| UBTH0701   | Biosimilar Therapeutics : Regulatory Approval Processes | VII      | 2          | - | - | 2       |
|            |   |          | 14         | 4 | - | 18      |

**Total Credits-18, Total Contact hours– 18**

\*Note – Tutorials for the subjects may be conducted using tools as written assignments, survey based reports, audit based reports, hands on practical and protocol submissions etc.

| Semester | Course Name   | Hr/Week |    |   | Credits |  | Evaluation Scheme               |       |                 |
|----------|---|---------|----|---|---------|--|---------------------------------|-------|-----------------|
|          |   | L       | T* | P |         |  | Component                       | Marks |                 |
|          |   |         |    |   |         |  |                                 | Max   | Min for passing |
| Sem-III  | Biosimilar Therapeutics :Introduction                   | 3       | 1  | - | 4       |  | ESE                             | 100   | 40              |
| Sem-IV   | Biosimilar Manufacturing Technology-I                   | 3       | 1  | - | 4       |  | ESE                             | 100   | 40              |
| Sem-V    | Biosimilar Manufacturing Technology-II                  | 3       | 1  | - | 4       |  | ESE                             | 100   | 40              |
| Sem-VI   | Biosimilar Therapeutics: Quality Aspects                | 3       | 1  | - | 4       |  | ESE                             | 100   | 40              |
| Sem-VII  | Biosimilar Therapeutics : Regulatory Approval Processes | 2       | -  | - | 2       |  | ESE                             | 100   | 40              |
| Total    |   | 14      | 4  | - | 18      |  | Total Contact hours / Week : 20 |       |                 |

\*Note – Tutorials for the subjects may be conducted using tools as written assignments, survey based reports, audit based reports, hands on practical and protocol submissions etc.